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ABSTRACT

This directory was produced to assist persons interested in pursuing graduate study in animal behavior. Included is a list of animal behavior programs and researchers in the United States, Puerto Rico, Canada, and Mexico. Listings include: (1) institution; (2) department and chairperson; (3) enrollment information; (4) contact person; and (5) faculty, with details of their research interests. These listings are indexed by subject, type of organism studied, and name of researcher. (CW)

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# GRADUATE PROGRAMS IN
# ANIMAL BEHAVIOR
# IN NORTH AMERICA

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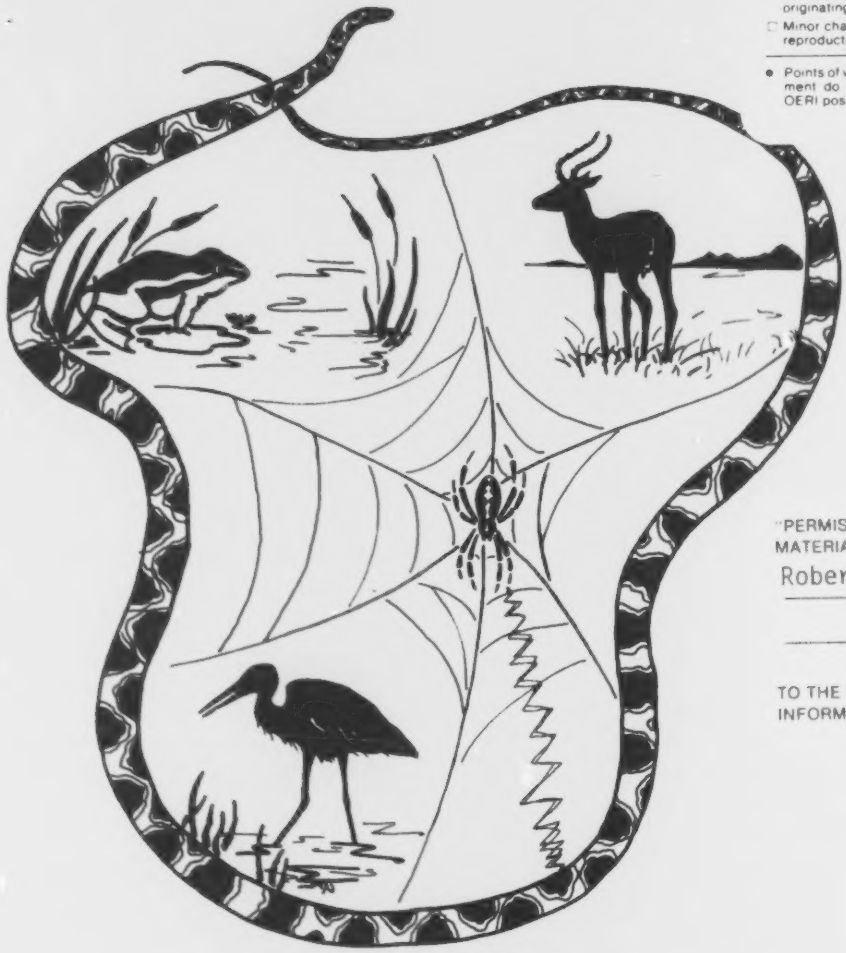

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PREPARED BY THE EDUCATION COMMITTEE OF THE
ANIMAL BEHAVIOR SOCIETY
1985

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# ACKNOWLEDGEMENTS

This fourth edition of this directory exists to serve those who are interested in pursuing graduate study in some area of animal behavior. The Education Committee of the Animal Behavior Society began by developing a questionnaire which was published in the November 1984 ABS Newsletter. Responses to this questionnaire, together with followup mailings and telephone calls, provided the information found herein. Data were entered into a microcomputer data management program (dBASE III) for sorting. Sorted files for each section were then uploaded into the University of Georgia's IBM 3081 computer and final copy was made using a Xerox laser printer. The data base from which this directory was generated is preserved on diskettes.

Use of this state-of-the-art technology provided numerous challenges and was made possible through the expert assistance of several individuals. Their dedication and perseverence made production of this directory a reality. Key among them was LuAnn Brown, who set up the database records and entered much of the information from the questionnaires into these files. She was ably assisted by Helen Roland Freilich. Assistance with the uploading to the mainframe computer and final printing layout was capably provided by James Purdon, III. Mike Ellerson of the University of Georgia Computer Services Center provided much advice and significant other assistance. Gene Helfman and Jerry Freilich kindly provided clarification on many questions concerning the classification of fishes, and of birds and mammals, respectively. The attractive cover artwork is from a design submitted by Jan Lay, a biological illustrator at the University of Georgia.

Inevitably, inaccuracies, errors, omissions and other "gremlins" will be found in the final copy. The Education Committee regrets these, and will appreciate having them brought to our attention. Send corrections and additions to Daniel Q. Estep, Dept. of Psychology, University of Georgia, Athens, GA 30602. Those individuals not included in this directory will find a copy of the original questionnaire at the back of this volume; return it for inclusion in future editions. Requests for additional copies of this directory should be directed to Robert W. Matthews, Department of Entomology, University of Georgia, Athens, GA, 30602. Include a check in the amount of $8, made payable to the Animal Behavior Society.

The ABS Education Committee

Christine R. Boake
Thomas Burk
Daniel Q. Estep
Robert W. Matthews, Chair
Thomas Rambo
Naida Zucker

# HOW TO USE THIS DIRECTORY

To find:

* a given university's program -- look in Section I
* all information about a given individual at a particular institution -- look in Section I
* a list of all researchers working in a given subject area -- look in Section II
* a list of all researchers working on a given organism -- look in Section III
* a given researcher -- look in the Index

Section I is a master list of animal behavior programs and researchers. The listing is alphabetical by states, followed by Puerto Rico, the Canadian Provinces, and Mexico. Full information on any department or program and all individual researchers may be found in this section. Program information includes the institution address, chairperson's name, telephone number, degree(s) offered, current enrollment, and the name of the person to contact for admissions information. For each person, the sequence of information listed is:

line 1: name, present rank
line 2: granting institution, degree, date awarded, telephone number
lines 3(4,5): subject area field(s) of professional expertise
lines following subject areas: specific research interests, followed by a list of organisms studied

(Completeness of entry was subject to information provided by the contributor.)

Section II (p. 140) indexes individuals according to the subject area(s) of their research. Subject headings and subheadings used are adopted and slightly modified from those found in ANIMAL BEHAVIOR ABSTRACTS. Thus, to find out who is studying chemical communication, for example, one would look under the heading Communication, subheading Chemical. Reference to Section I will then provide full information on any person so identified.

Section III (p. 149) indexes individuals according to the classification of organism(s) studied. Because common name usage varies and is sometimes confusing (e.g., baby whales are a kind of fish, not a cetacean), common names are not indexed. The arrangement of Section III is phylogenetic, adopting the terminology used in BIOLOGICAL ABSTRACTS, beginning with the Bacteria and ending with the Chordata. Categories below the phylum level in the invertebrates (e.g., classes or orders) and the class level in the vertebrates (e.g., orders or families) are arranged alphabetically. Thus, to identify all those persons studying horses, for example, one would look under the headings Mammalia, Perissodactyla, and finally Equidae, the family to which horses belong. (In some cases persons studying horses may not have listed the family Equidae, but only the class or order; consequently their names will appear only under those higher level headings.) Reference to Section I will then provide full information on any individual located in Section III.

The Index (p. 157) consists of an alphabetical listing of all individuals who responded to the questionnaire, together with their institutional affiliation. Using this index, one can readily determine whether particular persons are included in the directory and identify their institutional affiliation.

When referring to Sections II and III, and the Index, in lieu of specific page numbers, the institutional affiliation can be used to locate the full directory information for any individual by reference to the appropriate part of Section I.

# SECTION I - DEPARTMENT LISTING

## ALABAMA

**Auburn University**
**Zoology and Entomology**
**Auburn, AL 36849**
CHAIRMAN: J.F. Pritchett 205-826-4850
DEGREES: MS,PhD ENROLLMENT: 5
CONTACT: J.F. Pritchett

James H. Cane Asst. Prof.
Univ. of Kansas PhD 1983 205-826-4850
Evolution/Survival value
Sensory Mech-Chemical
Behav Ecol-Foraging
chemical defenses of bees (Apoidea); evolution of host/mate recognition in Ips bark beetles; oligolecty/pollination of solitary bees
Solitary Bees (Insecta:Hymenoptera)
Bark Engraver Beetles (Insecta:Coleoptera:Scolytidae)
Garden Orb Weaver (Chelicerata:Arachnida:Araneidae)

Robert S. Lishak Assoc. Prof.
Ohio State Univ. PhD 1976 205-826-5145
Communication-Acoustic
Behav Ecol-Predator/Prey Interact
Development/Ontogeny
acoustic communication and predator-prey interactions in gray squirrels
Eastern Gray Squirrel (Mammalia:Rodentia:Sciuridae)
Eastern Chipmunk (Mammalia:Rodentia:Sciuridae)

## ALASKA

**University of Alaska**
**Biology, Fisheries and Wildlife**
**Fairbanks, AK 99701**
CHAIRMAN: Stephen F. MacLean, Jr. 907-474-7542
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Patricia Ernst, 202 Bunnell Bldg.

R.D. Guthrie Prof.
Univ. of Chicago PhD 1963 907-474-7142
Human Ethology
reconstruction of fossil behavior; mammalia
Bison (Mammalia:Artiodactyla:Bovidae)
Elk (Mammalia:Artiodactyla:Cervidae)

David R. Klein Prof.
Univ. of British Columbia PhD 1963 907-474-7673
Feeding/Ingestion
Behav Ecol-Habitat Selection
Applied Ethol-Wildlife
Ungulate forage and habitat selection; foraging behavior and energetics
Caribou (Mammalia:Artiodactyla:Cervidae)
Muskox (Mammalia:Artiodactyla:Bovidae)
Deer (Mammalia:Artiodactyla:Cervidae)
Mountain Sheep (Mammalia:Ariodactyla:Bovidae)
Antelope (Mammalia:Artiodactyla:Bovidae)

Edward C. Murphy Asst. Prof.
Univ. of Kansas PhD 1977 907-474-7154
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol-Foraging
reproductive behavior and ecology of seabirds;
foraging behavior of woodpeckers;
reproductive behavior of Dall sheep
Murres (Aves:Charadriiformes:Alcidae)
Black-Legged Kittiwakes (Aves:Charadiiformes:Laridae)
Woodpeckers (Aves:Piciformes:Picidae))
Dall Sheep (Mammalia:Artiodactyla:Bovidae)

# ARIZONA

**Arizona State University**
**Anthropology**
**Tempe, AZ 85287**
CHAIRMAN: B. Foster 602-965-6213
DEGREES: MA, PhD ENROLLMENT: 3
CONTACT: Director of Graduate Studies

Leanne T. Nash Assoc. Prof.
Univ. of Calif., Berkeley PhD 1973 602-965-4812
Social Behav
Behav Ecol-Foraging
Development/Ontogeny
ecology and behavior of bushbabies; foraging;
gumivory; infant development
Bushbabies (Mammalia:Primates:Loridae)
Bushbabies (Mammalia:Primates:Galaginae)
Primates in general

**Arizona State University**
**Zoology**
**Tempe, AZ 85287**
CHAIRMAN: Kathleen Church 602-965-3571
DEGREES: MS, PhD ENROLLMENT: 9
CONTACT: Corlyss Lewis

John Alcock Prof.
Harvard Univ. PhD 1969 602-965-7304
Social Behav
Social Behav-Sex and Reproduction
the evolution of insect mating systems
Tarantula Hawks (Insecta:Hymenoptera:Pompilidae)
Blister Beetles (Insecta:Coleoptera:Meloidae)
Solitary Bees (Insecta:Hymenoptera:Anthophoridae)
Other Solitary Bees (Insecta:Hymenoptera)

Ronald L. Rutowski Assoc. Prof.
Cornell Univ. PhD 1976 602-965-4369
Communication
Evolution/Survival Value
Social Behav-Sex and Reproduction
courtship behavior of gonochoristic and
hermaphroditic organisms; sexual selection
Butterflies (Insecta:Lepidoptera)
Nudibranches (Gastropoda:Opisthobranchia)

Andrew T. Smith Assoc. Prof.
Univ. of Calif., Los Angeles PhD 1973 602-965-4024
Behav Ecol
Social Behav
Evolution/Survival Value
dispersal/philopatry; population structure
Pikas (Mammalia:Lagomorpha:Ochotonidae)
Kit Foxes (Mammalia:Carnivora:Canidae)

**Northern Arizona University**
**Biological Sciences**
**Flagstaff, AZ 86011**
CHAIRMAN: James R. Wick 602-523-2381
DEGREES: MS, PhD ENROLLMENT: 40
CONTACT: C.N. Slobodchikoff

Russell P. Balda Prof.
Univ. of Illinois PhD 1967 602-523-4307
Social Behav
Learning-Memory
social organization in birds; learning and memory in food-caching birds
Pygmy Nuthatch (Aves:Passeriformes:Sittidae)
Pinyon Jay (Aves:Passeriformes:Corvidae)
Clarks's Nutcracker (Aves:Passeriformes:Corvidae)

W. Linn Montgomery Asst. Prof.
Arizona State Univ. PhD 1978 602-523-2381
Behav Ecol-Foraging
Social Behav-Sex and Reproduction
Social Behav-Other
foraging ecology and digestive physiology of herbivorous fishes; mating systems in salmonid fishes; interspecific feeding in reef fishes
Surgeonfishes (Osteichthyes:Perciformes:Acarithuridae)
Damselfishes(Osteichthyes:Perciformes:Pomaceutridae)
Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Sea-basses (Osteichthyes:Perciformes:Serranidae)

C.N. Slobodchikoff Prof.
Univ. of Calif., Berkeley PhD 1971 602-523-4307
Social Behav
Communication-Acoustic
Behav Ecol-Predator/Prey Interact
Influences of resources and other factors on the social system and communication of animals
Gunnison's Prairie Dog (Mammalia:Rodentia:Sciuridae)
Darkling Beetles (Insecta:Coleoptera:Tenebrionidae)

Jack S. States Prof.
Univ. of Alberta PhD 1970 602-523-2857
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Feeding/Ingestion
Mycophagy in small mammals: relationship of foraging behavior and home range to resource availability and abundance
Albert's Squirrel (Mammalia:Rodentia:Sciuridae)
Red Squirrel (Mammalia:Rodentia:Sciuridae)
Golden-Mantled Ground Squirrel (Mammalia:Rodentia:Sciuridae)
Arizona Ground Squirrel (Mammalia:Rodentia:Sciuridae)

**University of Arizona**
**Ecology and Evolutionary Biology**
**Tucson, AZ 85721**
CHAIRMAN: Conrad Istock 602-621-7509
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Joan Zokvic, Graduate Secretary

Astrid Kodric-Brown Asst. Prof.
U. of Southern California PhD 1975 602-621-1065
Social Behav-Sex and Reproduction
Behav Ecol-Territoriality
Evolution/Survival Value
Fish breeding systems;
mechanisms of sexual selection; mate choice
Pupfish (Osteichthyes:Atherinoformes:Cyprinodontidae)
Guppy (Osteichthyes:Cypriniformes:Cyprinidontidae)

## CALIFORNIA

**California State University**
**Biological Sciences**
**Sacramento, CA 95819**
CHAIRMAN: Juanita Barrena 916-454-6535
DEGREES: MA, MSc ENROLLMENT: 4
CONTACT: Miklos D. F. Udvardy

Gene R. Trapp Prof.
Univ. of Wisconsin PhD 1972 916-454-6279
Natural Hist/Descriptive Studies
Behav Ecol
Social Behav
carnivore behavioral ecology
Ringtail (Mammalia:Carnivora:Procyonidae)
Gray Fox (Mammalia:Carnivora:Canidae)
Marten (Mammalia:Carnivora:Mustelidae)
Red Fox (Mammalia:Carnivora:Canidae)
Black Bear (Mammalia:Carnivora:Ursidae)

Miklos D. F. Udvardy Prof.
Debrecen Univ. (Hungary) PhD 1942 916-454-6519
Communication-Other (Signal Organs)
Social Behav-Aggression
Social Behav-Social Spacing
evolution of signal organs in vertebrates;
communication of aggressive behavior in hummingbirds
Anna's Hummingbirds (Aves:Apodiformes:Trochilidae)

**San Diego State University**
**Anthropology**
**San Diego, CA 92183**
CHAIRMAN: Larry L. Leach 619-265-5527
DEGREES: MA ENROLLMENT: 20
CONTACT: Graduate Advisor, Department of Anthropology

Lois K. Lippold Prof.
Univ. of Wisconsin, Madison PhD 1971 619-265-5452
Social Behav
Behav Ecol
Natural Hist/Descriptive Studies
paternal/maternal behavior; sex and reproduction;
gestation and parturition
Douc Langur (Mammalia:Primates:Cercopithecidae)
Golden Monkey (Mammalia:Primates:Cercopithecidae)

**San Diego State University**
**Biology**
**San Diego, CA 92182-0057**
CHAIRMAN: Paul Paolini 619-265-6767
DEGREES: MS, PhD ENROLLMENT:
CONTACT: L.R. McClenaghan

Vernon L. Avila Assoc. Prof.
Univ. of Colorado PhD 1972 619-265-5235
Endocrine/Hormonal Mech
Feeding/Ingestion
Social Behav-Sex and Reproduction
steroids and their roles in various behaviors;
17B estradiol and androgens
Bluegill Sunfish (Osteichthyes:Perciformes:Centrarchidae)
African Clawed Frog (Amphibia:Anura:Pipidae)
Jewelfish (Osteichthyes:Perciformes:Cichlidae)

Frank T. Awbrey Prof.
Univ. of Texas, Austin PhD 1965 619-265-3750
Communication-Acoustic
Sensory Mech-Audition
Social Behav
bioacoustics in amphibians and cetaceans;
effects of sound on audition and behavior;
biophysics of hearing
Pacific Tree Frog (Amphibia:Apoda:Hylidae)
Killer Whale (Mammalia:Cetacea:Delphinidae)
False Killer Whale (Mammalia:Cetacea:Delphinidae)
Beluka Whale (Mammalia:Cetacea:Monodontidae)

Gerald Collier Prof.
Univ. of Calif., Los Angeles PhD 1968 619-229-2410
Behav Ecol
Evolution/Survival Value
Social Behav
evolution and nature of avian mating systems;
species diversity and habitat selection
Passerines (Aves:Passeriformes)
Blackbird (Aves:Passeriformes:Icteridae)
Jacana (Aves:Charadriiformes:Jacanidae)

Don Hunsaker II Prof.
Univ. of Texas, Austin PhD 1960 619-265-5389
Social Behav
Behav Ecol
Communication
tropical and desert animals
Marsupials (Mammalia:Marsupialia)
Lizards (Reptilia:Sauria)

Neil Krekorian Prof.
Univ. of Toronto PhD 1970 619-265-6916
Behav Ecol
Natural Hist/Descriptive Studies
Social Behav
social spacing; aggression; sex and reproduction
Lizards (Reptilia:Sauria:Iguanidae)

L.R. McClenaghan, Jr. Assoc. Prof.
Kansas PhD 1977 619-265-3751
Behav Ecol-Foraging
Evolution/Survival Value
Behav Genetics
Meadow Mice (Mammalia:Rodentia:Cricetidae)
Kangaroo Rat (Mammalia:Rodentia:Heteromyidae)
Pocket Mice (Mammalia:Rodentia:Heteromyidae)

**San Diego State University**
**Psychology**
**San Diego, CA 92182-0350**
CHAIRMAN: Alan Litrownik 619-265-6938
DEGREES: MA ENROLLMENT: 6
CONTACT: Arthur Schatz, or John Grossberg

Richard H. Defran Assoc. Prof.
Bowling Green State Univ. PhD 1972 619-265-6428
Behav Ecol
Social Behav
Sensory Mech
Cetacean behavior; population biology;
animal psychophysics
Dolphin (Mammalia:Cetacea:Delphinidae)

Evalyn F. Segal Prof. Emeritus
Univ. of Minnesota PhD 1958 619-265-5416
Learning-Reinforcement
Learning-Complex
Learning-Discrimination
concept learning in a Barbary Macaque;
verbal learning in a Barbary Macaque
Barbary Macaque (Mammalia:Primates:Cercopithecidae)
Albino Rat (Mammalia:Rodentia:Muridae)
Squirrel Monkey (Mammalia:Rodentia:Sciuridae)

**San Francisco State University**
**Biological Sciences**
**San Francisco, CA 94132**
CHAIRMAN: Crellin Pauling 415-469-1548
DEGREES: MS, MA ENROLLMENT: 2
CONTACT: John Stubbs, Grad. Coordinator, Dept. Biol. Sci.

Robert I. Bowman Prof.
Univ. of Calif., Berkeley PhD 1957 415-469-2440
Behav Ecol-Foraging
Communication-Vocal
Development/Ontogeny
vocal communication in song birds
(ecology of song)
Darwin's Finches (Aves:Passeriformes:Geospizinae)
Fox Sparrows (Aves:Passeriformes:Emberizidae)
Green-Tailed Towhees (Aves:Passeriformes:Emberizidae)

**Stanford University**
**Psychology**
**Stanford, CA 94305**
CHAIRMAN: Ewart Thomas 415-497-3995
DEGREES: PhD ENROLLMENT:

Jeffrey J. Wine Assoc. Prof.
Univ.of Calif., Los Angeles PhD 1971 415-497-3748
Learning
Locomotion
Sensory Mech
Crayfish (Crustacea:Decapoda)

**University of California, Berkeley**
**Anthropology**
**Berkeley, CA 94720**
CHAIRMAN: William Simmons 415-642-3391
DEGREES: PhD ENROLLMENT: 15
CONTACT: K. Milton or P. Dolhinow

Katharine Milton Assoc. Prof.
New York Univ. PhD 1977 415-642-8607
Behav Ecol-Foraging
Feeding/Ingestion
Behav Ecol-Territoriality
feeding ecology of primates; production patterns of tropical forest trees; quality and anti-quality components of tropical plant parts
Howler Monkeys (Mammalia:Primates:Cebidae)
Woolly Spider Mondeys (Mammalia:Primates:Cebidae)
Spider Monkeys (Mammalia:Primates:Cebidae)
Woolly Monkeys (Mammalia:Primates:Cebidae)
Humans (Mammalia:Primates:Hominidae)

**University of California, Berkeley**
**Zoology**
**Berkeley, CA 94720**
CHAIRMAN: Marvalee Wake 415-642-2740
DEGREES: PhD ENROLLMENT: 4
CONTACT: Barbara Hayashida or Graduate Admissions Secretary

George W. Barlow Prof.
Univ. of Calif., Los Angeles PhD 1958 415-642-2947
Evolution/Survival Value
Development/Ontogeny
Social Behav
development and evolution of social behavior in fishes
Cichlid Fishes (Osteichthyes:Perciformes:Cichlidae)
Coral-reef Fishes

Roy L. Caldwell Assoc. Prof.
Univ. of Iowa PhD 1969 415-642-1391
Social Behav-Aggression
Communication
Behav Ecol
behavioral ecology of stomatopod crustacea
Mantis Shrimp (Crustacea:Stomatopoda)
Milkweed Bugs (Insecta:Hemiptera:Lygaeidae)

Walter D. Koenig Asst. Prof.
Univ. of Calif., Berkeley PhD 1978 408-659-2664
Behav Ecol-Territoriality
Social Behav-Sex and Reproduction
Evolution/Survival Value
mating systems; social spacing; territoriality; evolution
Acorn Woodpecker (Aves:Piciformes:Picidae)
Yellow-Billed Magpie (Aves:Passeriformes:Corvidae)
Western Bluebird (Aves:Passeriformes:Turdidae)
Dragonflies (Insecta:Odonata:Libellulidae)

**University of California, Davis**
**Graduate Group in Animal Behavior**
**Davis, CA 95616**
CHAIRMAN: Robert M. Murphey 916-752-2559
DEGREES: MA, PhD ENROLLMENT: 22
CONTACT: Robert M. Murphey, Chair, Grad. Grp in Animal Beh.

Marylynn S. Barkley Assoc. Prof. (An Physiol)
Univ. Calif., Davis PhD 1975 916-752-6029
Endocrine/Hormonal Mech
Social Behav-Aggression
Social Behav-Sex and Reproduction
hormonal control of sex-specific behavior;
reproductive endocrinology
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Fish (Osteichthyes)

Richard G. Coss Prof. (Psychology)
Reading Univ. (England) PhD 1973 916-752-1626
Behav Ecol-Predator/Prey Interact
Development/Ontogeny
Evolution/Survival Value
adaptive variation in ground squirrels;
anti-predator behavior
Calif. Ground Squirrel (Mammalia:Rodentia:Sciuridae)

Hugh Dingle Prof. (Entomology)
University of Michigan PhD 1962 916-752-2480
Behav Ecol-Orient/Nav/Migrat/Homing
Evolution/Survival Value
Behav Genetics
migration and life histories
Milkweed Bugs (Insecta:Heteroptera:Lygaeidae)
Aphids (Insecta:Homoptera:Aphidae)
Grasshoppers (Insecta:Orthoptera)

Norman E. Gary Prof. (Entomology)
Cornell Univ. PhD 1959 916-752-0480
Applied Ethol
Behav Ecol
Communication
foraging; intra-colony communication; mating; defensive behavior
Honey Bee (Insecta:Hymenoptera:Apidae)

Lawrence V. Harper Prof.
Univ. of Calif., Berkeley PhD 1966 916-752-3624
Development/Ontogeny
Play
Human Ethology
parental/filial interactions; sex and reproduction
Humans (Mammalia:Primates:Hominidae)
Guinea Pigs (Mammalia:Rodentia:Cavidae)

Benjamin L. Hart Prof. (Physiol. Sci.)
Univ. of Minnesota DVM, PhD 1960, 1964 916-752-1418
Endocrine/Hormonal Mech
Communication-Acoustic
Neural Mech
neural and hormonal control of sexual behavior;
vomeronasal organ; animal behavior and disease
avoidance strategy
Rats (Mammalia:Rodentia:Muridae)
Goats (Mammalia:Artiodactyla:Bovidae)
Cats (Mammalia:Carnivora:Felidae)
Dogs (Mammalia:Carnivora:Canidae)
Antelopes (Mammalia:Artiodactyla:Cervidae)

Sarah Blaffer Hrdy Prof. (Anthropology)
Harvard Univ. PhD 1975 916-752-2674
Social Behav-Sex and Reproduction
Social Behav-Parental/Filial
Human Ethology
male and female reproductive strategies among primates
Hanuman Langurs (Mammalia:Primates:Cercopithecidae)
Humans (Mammalia:Primates:Hominidae)

Dale F. Lott Prof (Wildlife/Fisheries)
Univ. of Washington PhD 1964 916-752-7641
Social Behav
Behav Ecol
functions of and proximate mechanisms involved in
intraspecific variation in social systems
California Quail (Aves:Galliformes:Phasianidae)
American Bison (Mammalia:Artiodactyla:Bovidae)

William A. Mason Prof.
Stanford Univ. PhD 1954 916-752-3273
Social Behav-Parental/Filial
Development/Ontogeny
Motivation/Emotion
primate social organization; socialization; coping behavior
Titi Monkeys (Mammalia:Primates:Cebidae)
Squirrel Monkeys (Mammalia:Primates:Cebidae)
Macaques (Mammalia:Primates:Cercopithecidae)

Gary P. Moberg Prof. (Animal Science)
Univ. of Illinois PhD 1968 916-752-1253
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Other-Stress
role of the neuroendocrine system in the
physiological and behavioral response during stress
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Sheep (Mammalia:Artiodactyla:Bovidae)

Robert M. Murphey Prof. (Psychology)
Vanderbilt Univ. PhD 1966 916-752-1855
Behav Genetics
Applied Ethol-Domestic Animals
Natural Hist/Descriptive Studies
genetic and environmental influences on behavioral
variation in cattle and other animals
Domestic Cattle (Mammalia:Artiodactyla:Bovidae)
Capybara (Mammalia:Rodentia:Hydrochoeridae)
Frogs (Amphibia:Salientia:Leptodactylidae)

Donald H. Owings Prof. (Psychology)
Univ. of Washington PhD 1972 916-752-1673
Behav Ecol-Predator/Prey Interact
Communication-Acoustic
Communication-Visual
alarm signals; anti-snake behavior; variation
and ontogeny of communicatory behavior
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Rattlesnakes (Reptilia:Squamata:Crotalidae)

Edward O. Price Prof. (Animal Science)
Michigan State Univ. PhD 1967 916-752-6789
Applied Ethol-Domestic Animals
Development/Ontogeny
Social Behav-Sex and Reproduction
effects of domestication on animal behavior;
reproductive behavior in large domestic animals
Cattle (Mammalia:Artiodactyla:Bovidae)
Sheep (Mammalia:Artiodactyla:Bovidae)
Goats (Mammalia:Artiodactyla:Capridae)

Dennis G. Raveling Prof (Wildlife/Fisheries)
Southern Illinois Univ. PhD 1967 916-752-3210
Behav Ecol
Evolution/Survival Value
Social Behav
energetics and social organization;
factors affecting reproductive success
Canadian Goose (Aves:Anseriformes:Anatidae)
White-fronted Goose (Aves:Anseriformes:Anatidae)
Emperor Goose (Aves:Anseriformes:Anatidae)
Ross's Goose (Aves:Anseriformes:Anatidae)
Black Brant (Aves:Anseriformes:Anatidae)

Herman T. Speith Prof. Emeritus (Zoology)
Indiana Univ. PhD 1931 916-752-1220
Social Behav-Sex and Reproduction
Behav Ecol-Habitat Selection
mating behavior and evolution of fruit flies
Fruit Flies (Insecta:Diptera:Drosophilidae)

J. Stamps Assoc. Prof. (Zoology)
Univ. of Calif., Berkeley PhD 1974
Behav Ecol-Territoriality
Social Behav-Parental/Filial
Anoles (Reptilia:Sauria:Iguanidae)
Budgerigars (Aves:Psittaciformes:Psittacidae)

**University of California, Irvine**
**Ecology and Evolutionary Biology**
**Irvine, CA 92717**
CHAIRMAN: R.E. MacMillen 714-856-6006
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: George L. Hunt, Jr.

George L. Hunt, Jr. Prof.
Harvard Univ. PhD 1971 714-856-6322
Behav Ecol
Social Behav
reproductive behavior and ecology of colonial birds
Gulls (Aves:Charadriiformes:Laridae)
Alcids (Aves:Charadriiformes:Laridae)
Marine Birds

**University of California, Los Angeles**
**Biology**
**Los Angeles, CA 90024**
CHAIRMAN: Philip Thornber 213-825-4373
DEGREES: MS, PhD ENROLLMENT: 25
CONTACT: Graduate Affairs Office, Dept. of Biology

Michael D. Greenfield Asst. Prof.
Univ. of Wisconsin PhD 1978 213-206-8644
Behav Ecol-Territoriality
Communication
Evolution/Survival Value
alternative mating strategies; ecological
influences on mating systems;
social and ecological influences on communication
Grasshoppers (Insecta:Orthoptera)
Katydids (Insecta:Orthoptera)
Moths (Insecta:Lepidoptera)
Butterflies (Insecta:Lepidoptera)

**University of California, Riverside**
**Psychology**
**Riverside, CA 92521**
CHAIRMAN: Marvin Nachman 714-787-5244
DEGREES: PhD ENROLLMENT: 2-5
CONTACT: Ramon J. Rhine

Ramon J. Rhine Prof.
Stanford Univ. PhD 1955 714-787-3877
Behav Ecol
Development/Ontogeny
Social Behav
social spacing, predation, feeding
Stumptailed Macaque (Mammalia:Primates:Cercopithecidae)
Yellow Baboon (Mammalia:Primates:Cercopithecidae)

**University of California, San Diego**
**Biology**
**La Jolla, CA 92093**
CHAIRMAN: Herb Stern 619-452-3835
DEGREES: PhD ENROLLMENT: 7
CONTACT: Ms. Pattie Macpherson (619-452-3835)

Jack W. Bradbury Prof.
Rockefeller Univ. PhD 1968 619-452-4787
Evolution/Survival Value
Behav Ecol
Social Behav
evolution of mating systems; specific interests
in lek mating and the relationship between
resources and social evolution
Bats (Mammalia:Chiroptera)
Grouse (Aves:Galliformes:Tetraonidae)
Birds-of-Paradise (Aves:Passeriformes:Paradisaeidae)

Sandra L. Vehrencamp Asst. Prof.
Cornell Univ. PhD 1976 619-452-4787
Behav Ecol
Social Behav
Evolution/Survival Value
cooperative breeding; conflict and competition
within groups; parental care strategies; avian social behavior
Cuckoos (Aves:Cuculiformes:Cuculidae)
Bats (Mammalia:Chiroptera)
Grouse (Aves:Galliformes:Tetraonidae)
Waterbugs (Insecta:Heteroptera:Bellostomatidae)

**University of California, San Diego**
**Psychology**
**La Jolla, CA 92093**
CHAIRMAN: Ebbe Ebbersen 619-452-3003
DEGREES: PhD ENROLLMENT: 10
CONTACT: Ruby Woods

Edmund Fantino Prof.
Harvard Univ. PhD 1944 619-452-3927
Learning-Reinforcement(Positive)
Behav Ecol-Foraging
Other-Choice
operant conditioning analogs to foraging
Pigeon (Aves:Columbiformes:Columbidae)
Human (Mammalia:Primates:Hominidae)

# COLORADO

**Colorado State University**
**Department of Anthropology**
**Fort Collins, CO 80523**
CHAIRMAN: C.J. Jennings 303-491-5447
DEGREES: ENROLLMENT: 0
CONTACT: Arthur Horn, or C.J. Jennings

Arthur Horn Assoc. Prof.
Yale Univ. PhD 1976 303-491-5966
Behav Ecol
Social Behav
primates: pongidae and hominidae; socioecology of Bonobo chimpanzees and other African forest primates
Bonobo Chimpanzee (Mammalia:Primates:Pongidae)
Black Mangabey (Mammalia:Primates:Cercopithecidae)

**Colorado State University**
**Clinical Sciences**
**Ft. Collins, CO 80523**
CHAIRMAN: James Voss, DVM 303-221-4535
DEGREES: DVM, MS, PhD ENROLLMENT: 0
CONTACT: Sarah Ralston

Sarah Ralston Asst. Prof.
Univ. of Pennsylvania PhD, DVM 1982, 1980 303-221-4535
Feeding/Ingestion
Applied Ethol-Domestic Animals
Social Behav-Social Spacing
control of feed intake in horses; nutrition/behavior studies
Horses (Mammalia:Perissodactyla:Equidae)

**Colorado State University**
**Psychology**
**Fort Collins, CO 80523**
CHAIRMAN: Richard Swinn 303-491-6363
DEGREES: MA, PhD ENROLLMENT: 5
CONTACT: R. Swinn or D.D. Avery

David D. Avery Prof.
Univ. of Houston PhD 1969 303-491-6820
Neural Mech
Endocrine/Hormonal Mech
Drug Studies
hypothalamic-neurochemical mechanisms and motivation
Rat (Mammalia:Rodentia:Muridae)
Cat (Mammalia:Carnivora:Felidae)

Ralph W. Richards Prof.
Michigan State Univ. PhD 1971 303-491-5548
Learning
associative learning and cognitive processes in animals
Pigeon (Aves:Columbiformes:Columbidae)
Rat (Mammalia:Rodentia:Muridae)

**Colorado State University**
**Zoology**
**Fort Collins, CO 80523**
CHAIRMAN: Bruce A. Wunder 303-491-7011
DEGREES: MS, PhD ENROLLMENT: 12
CONTACT: B. A. Wunder

Myron C. Baker Prof.
Yale Univ. PhD 1971 303-491-5307
Behav Ecol
Communication
Social Behav
avian communication and social behavior; genetic population structure; foraging ecology
White-crowned Sparrows (Aves:Passeriformes:Emberizidae)
Dark-eyed Juncos (Aves:Passeriformes:Emberizidae)
Song Sparrows (Aves:Passeriformes:Emberizidae)

Philip N. Lehner Prof.
Utah State Univ. PhD 1969 303-491-5875
Communication
Social Behav-Aggression
Applied Ethol
Communication;canids and felids; applied ethology, animal behavior problems; aggression in domestic/ companion animals; behavioral ecology of gray jays
Coyote (Mammalia:Carnivora:Canidae)
Domestic Dog (Mammalia:Carnivora:Canidae)
Domestic Cat (Mammalia:Carnivora:Felidae)
Domestic Horse (Mammalia:Perissodactyla:Equidae)
Gray Jay (Aves:Passeriformes:Corvidae)

Janice Moore Asst. Prof.
Univ. of New Mexico PhD 1981 303-491-6764
Behav Ecol
Evolution/Survival Value
evolution and ecology of parasitic helminths; behavioral alterations in host organisms
Tapeworms (Platyhelminthes:Cestoda)

**University of Colorado**
**Environmental, Population and Organismic Biology**
**Boulder, CO 80309**
CHAIRMAN: Michael Grant 303-492-8981
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: Ms. Gretta Howell, Graduate Secretary

Marc Bekoff Prof.
Washington Univ. PhD 1972 303-492-8961
Behav Ecol
Evolution/Survival Value
Development/Ontogeny
social ecology; development; evolution; play; communication; agonistic behavior; dispersal
Coyote (Mammalia:Carnivora:Canidae)
Evening Grosbeaks (Aves:Passeriformes:Emberizidae)

Michael D. Breed Assoc. Prof.
Univ. of Kansas PhD 1977 303-492-7687
Social Behav-Other (Kin Recognition)
Social Behav-Dominance
Endocrine/Hormonal Mech
kin recognition; physiological mechanisms that regulate aggression/dominance; dynamics of colony defense mechanisms; social insect biology
Honey Bee (Insecta:Hymenoptera:Apidae)
Giant Tropical Ant (Insecta:Hymenoptera:Formicidae)
Cockroach (Insecta:Orthoptera:Blattoidea)

# CONNECTICUT

**University of Connecticut**
**Biological Sciences Group**
**Storrs, CT 06268**
CHAIRMAN: Carl W. Rettenmeyer 203-486-4313
DEGREES: MS, PhD ENROLLMENT: 8
CONTACT: Kentwood D. Wells

William D. Chapple Prof.
Stanford Univ. PhD 1965 203-486-4558
Neural Mech-Other (Comp Neurobiol)
Locomotion
Sensory Mech-Other (Propriorecept)
crustacean physiology of movement; propriorecption
Hermit Crab (Crustacea:Decapoda)
Green Crabs (Crustacea:Decapoda)

George A. Clark, Jr. Prof.
Yale Univ. PhD 1964 203-486-4459
Evolution/Survival Value
Self-Maintenance
Natural Hist/Descriptive Studies
integumental structure in relation to behavior in birds
Birds (Aves)
Passerines (Aves:Passeriformes)

Charles S. Henry Assoc. Prof.
Harvard Univ. PhD 1973 203-486-4450
Social Behav-Sex and Reproduction
Communication-Acoustic
Natural Hist/Descriptive Studies
reproductive biology and behavior of neuropteroid insects, especially Chrysopidae; mechanisms of speciation
Green Lacewings (Insecta:Neuroptera:Chrysopidae)

Andrew Moiseff Asst. Prof.
Cornell Univ. PhD 1980 203-486-4562
Sensory Mech-Audition
Neural Mech-Neurophysiol Correlates
Communication-Acoustic
neural mechanisms for sound localization
Barn Owls (Aves:Strigiformes:Tytonidae)

Carl W. Rettenmeyer Prof.
Univ. of Kansas PhD 1962 203-486-4460
Behav Ecol-Predator/Prey Interact
Evolution/Survival Value
Natural Hist/Descriptive Studies
behavior of tropical social wasps and army ants
Social Wasps (Insecta:Hymenoptera:Vespidae)
Ants (Insecta:Hymenoptera:Formicidae)

Kentwood D. Wells Assoc. Prof.
Cornell Univ. PhD 1976 203-486-4454
Behav Ecol
Communication
Social Behav
social behavior, behavioral ecology, communication of vertebrates, esp. amphibians; communication, mate choice, aggression in frogs; energetics
Frogs (Amphibia:Anura)
Toads (Amphibia:Anura)

**University of Connecticut**
**Psychology**
**Storrs, CT 06268**
CHAIRMAN: Jerome Smith 203-486-3515
DEGREES: MA, PhD ENROLLMENT: 3
CONTACT: David B. Miller or L. Katz

David B. Miller Assoc. Prof.
Univ. of Miami PhD 1973 203-486-3516
Development/Ontogeny
Communication-Acoustic
Natural Hist/Descriptive Studies
alarm call responsivity; behavioral embryology; parent-young interaction; effects of domestication on species-typical behavior
Mallard Duck (Aves:Anseriformes:Anatidae)
Bobwhite Quail (Aves:Galliformes:Phasianidae)
Muscovy Duck (Aves:Anseriformes:Anatidae)

Benjamin D. Sacns Prof.
Univ. of Calif., Berkeley PhD 1966 203-468-3409
Endocrine/Hormonal Mech
Neural Mech
Social Behav-Sex and Reproduction
neuroendocrine regulation of male sexual behavior; integration of spinal reflexes into organismic behavior
Rat (Mammalia:Rodentia:Muridae)

**Wesleyan University**
**Biology**
**Middletown, CT 06457**
CHAIRMAN: Allan Berlind 203-347-9411 ext 2769
DEGREES: PhD ENROLLMENT: 10
CONTACT: Director, Graduate Admissions

Allan Berlind Prof.
Harvard Univ. PhD 1969 203-347-9411
Neural Mech-Other (Rhythmic Systems)
generation of rhythmic activity by small neuronal networks
Lobster (Crustacea:Decapoda)
Crab (Crustacea:Decapoda)

David Bodznick Asst. Prof.
Univ. Washington, Seattle PhD 1977 203-347-9411
Behav Ecol-Orient/Nav/Migrat/Homing
Neural Mech-Neurophysiol Correlates
Sensory Mech-Other(Electroreception)
neuroethology; sensory processing in vertebrate brain, relationship to behavior; electroreception processing and orientation
Lamprey (Agnatha:Petromyzoniformes:Petromyzonidae)
Skate (Chondrichthyes:Rajiformes:Rajidae)
Dogfish (Chondrichthyes:Squaliformes:Squalidae)

Carol B. Lynch Assoc. Prof.
Univ. of Iowa PhD 1971 203-347-9411
Behav Genetics
Evolution/Survival Value
Biological Rhythms
genetic basis for cold adaptation in mice; genetic models for circadian entrainment variation
House Mouse (Mammalia:Rodentia:Muridae)
White-footed Mouse (Mammalia:Rodentia:Cricetidae)

G. Robert Lynch Assoc. Prof.
Univ. of Iowa PhD 1973 203-347-9411
Biological Rhythms
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
effect of the pineal gland hormone, melatonin, on reproductive and thermoregulatory variables
White-footed Mouse (Mammalia:Rodentia:Cricetidae)
Siberian Hamster (Mammalia:Rodentia:Cricetidae)

**Wesleyan University**
**Psychology**
**Middletown, CT 06457**
CHAIRMAN: Nathan Brody 203-347-9411 ext 2286
DEGREES: MA ENROLLMENT: 0

H.M. Sinnamon Assoc. Prof.
Univ. of Rochester PhD 1972 203-347-9411
Locomotion
Motivation/Emotion
Neural Mech
neural mechanisms of locomotion initiation and orienting behavior
Rats (Mammalia:Rodentia:Muridae)

**Yale University**
**Biology**
**New Haven, CT 06511**
CHAIRMAN: Sidney Altman 203-436-0381
DEGREES: PhD ENROLLMENT: 20
CONTACT: Douglas Kankel

Charles R. Brown Asst. Prof.
Princeton Univ. PhD 1985 203-436-0381
Behav Ecol-Foraging
Social Behav-Sex and Reproduction
Social Behav-Social Spacing
adaptive significance of coloniality; behavioral adaptions of social species; alternative and deceptive reproductive strategies.
Swallows (Aves:Passeriformes:Hirundinidae)
Martins (Aves:Passeriformes:Hirundinidae)

## DELAWARE

**University of Delaware**
**Entomology**
**Newark, DE 19711**
CHAIRMAN: Paul Burbutis 302-451-2526
DEGREES: MS ENROLLMENT: 3
CONTACT: Doug Tallamy

Thomas K. Wood Professor
Cornell Univ. PhD 1968 302-451-1304
Social Behav-Parental/Filial
Behav Ecol
Evolution/Survival Value
parental care
Treehoppers (Insecta:Homoptera:Membracidae)

**University of Delaware**
**Psychology**
**Newark, DE 19711**
CHAIRMAN: Tom Scott 302-451-2271
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Tom Scott

F.A. Masterson Prof.
Princeton Univ. PhD 1965 302-451-2575
Learning
Methodol
Motivation/Emotion
interplay of learning and instinctive mechanisms
in defensive behavior; mechanisms of Pavlovian conditioning.
Rat (Mammalia:Rodentia:Muridae)

## DISTRICT OF COLUMBIA

**Georgetown University**
**Anatomy**
**Washington, DC 20057**
CHAIRMAN: Martin Dym

Arthur N. Popper Prof.
City Univ. of New York PhD 1969 202-625-2223
Sensory Mech-Audition
Communication-Acoustic
auditory mechanisms of vertebrates; hearing by
aquatic vertebrates
Fishes (Pisces:Osteichthyes)

**Georgetown University**
**Biology**
**Washington, DC 20057**
CHAIRMAN: George B. Chapman 202-625-4126
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: E. Barrows

Edward M. Barrows Assoc. Prof.
Univ. of Kansas PhD 1975 202-625-8807
Social Behav-Sex and Reproduction
Behav Ecol
Communication
reproductive behavior of insects, pollination
Chalcidoid Wasps (Insecta:Hymenoptera:Chalcidoidea)
Mexican Bean Beetle (Insecta:Coleoptera:Coccinellidae)
Bees (Insecta:Hymenoptera:Apidae)
Butterflies (Insecta:Lepidoptera:Pieridae)
Vespid Wasps (Insecta:Hymenoptera:Vespidae)

Douglas A. Eagles Asst. Prof.
Univ. of Massachusetts PhD 1972 202-625-8804
Locomotion
Sensory Mech-Other (Mechanical)
neurophysiology of locomotion
Horseshoe Crab (Crustacea:Xiphosura:Xiphosuridae)
Blue Crab (Crustacea:Decapoda)
Edible Crab (Crustacea:Decapoda)

**Georgetown University**
**Psychology**
**Washington, DC 20057**
CHAIRMAN: Robert S. Ruskin 202-625-4503
DEGREES: MS ENROLLMENT:

David E. Carter Assoc. Prof.
Columbia Univ. PhD 1971 202-625-4926
Learning-Discrimination
Learning-Reinforcement (Positive)
Learning-Memory
animal learning
Rats (Mammalia:Rodentia:Muridae)
Pigeons (Aves:Columbiformes:Columbidae)

**George Washington University**
**National Zoological Park**
**Washington, DC 20052**
CHAIRMAN: Ruth Krufeld 202-676-6075
DEGREES: MA. PhD ENROLLMENT: 0
CONTACT: Geza Teleki

Geza Teleki Assoc. Prof.
Pennsylvania State Univ. PhD 1977 202-676-6075
Behav Ecol
Evolution/Survival Value
Natural History/Descriptive Studies
habitat study,conservation of African great apes
Common Chimpanzee (Mammalia:Primates:Pongidae)
Gorillas (Mammalia:Primates:Pongidae)
Baboons (Mammalia:Primates:Cercopithecidae)

**Smithsonian Institution, National Zoological Park**
**National Zoological Park**
**Washington, DC 20008**
CHAIRMAN: Edwin Gould 202-673-4783
DEGREES: ENROLLMENT:
CONTACT: Devra G. Kleiman

Benjamin B. Beck
University of Chicago PhD 1967 202-673-4783
Behav Ecol-Foraging
Learning-Complex
Social Behav-Sex and Reproduction
tool behavior; propagation and reintroduction of captive primates
Golden Lion Tamarins (Mammalia:Primates:Callithricidae)
Gorillas (Mammmalia:Primates:Pongidae)

Daryl J. Boness
Dalhousie University PhD 1979 202-673-4783
Social Behav
Evolution/Survivial Value
Behav Ecol
male and female reproductive strategies,
lactation strategies, and early development in pinnipeds
Seals (Mammalia:Pinnipedia:Phocidae)
Sea Lions (Mammmalia:Pinnipedia:Otariidae)
Walruses (Mammalia:Pinnipedia:Odobenidae)

Scott R. Derrickson Curator/Birds
Univ. of Minnesota PhD 1977 703-635-4166
Applied Ethol
Communication-Acoustic
Social Behav
social influences on sexual behavior: captive
breeding; animal reintroductions
Dabbling Ducks (Aves:Anseriformes:Anatidae)
Cranes (Aves:Gruiformes:Gruidae)

Devra G. Kleiman
Univ. of London PhD 1969 202-673-4705
Development/Ontogeny
Social Behav-parental/filial
Social Behav-sex and reproduction
captive breeding of endangered species; social
behavior of monogamous mammals
Golden Lion Tamarin (Mammalia:Primates:Callitrichidae)
Giant Panda (Mammalia:Carnivora:Ursidae)
Bush Dog (Mammalia:Carnivora:Canidae)
Maned Wolf (Mammalia:Carnivora:Canidae)
Degu (Mammalia:Rodentia:Octodontidae)

Dale L. Marcellini
Oklahoma University PhD 1969 202-673-4708
Communication-Acoustic
Social Behav
Applied Ethol-Other (zoo animals)
behavior and ecology of geckos
Geckos (Reptilia:Sauria:Gekkonidae)
Anoles (Reptilia:Sauria:Iguanidae)

Eugene S. Morton
Yale University PhD 1969 202-673-4828
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Communication-Acoustic
Insects (Insecta)
Waterfowl (Aves:Anseriformes)
Passerines (Aves:Passeriformes)

Katherine Ralls
Harvard University PhD 1965 202-673-4815
Social Behav-Parental/Filial
Social Behav-Sex and Reproduction
Behav Genetics
inbreeding in small populations of a variety of
exotic species; behavior and reproduction of
captive ungulates; conservation of marine mammals
Duiker (Mammalia:Artiodactyla:Bovidae)
Mouse Deer (Mammalia:Artiodactyla:Bovidae)
California Sea Otter (Mammalia:Carnivora:Mustelidae)
Dugong (Mammalia:Sirenia:Dugongidae)
Dorcas Gazelle (Mammalia:Artiodactyla:Bovidae)

Michael H. Robinson Director, NZP
Oxford University PhD 1968 202-673-4721
Behav Ecol-Predator/Prey Interaction
Evolution/Survival Value
Social Behav-Sex and Reproduction
Grasshoppers (Insecta:Orthoptera)
Spiders (Chelicerata:Arachnida)

John Seidensticker Asst. Curator
University of Idaho PhD 1973 202-673-4826
Behav Ecol
Applied Ethol
assessment of habitat change on wildlife populations; behavorial ecology of carnivores
Cats (Mammalia:Carnivora:Felidae)
Raccoons (Mammmalia:Carnivora:Procionidae)
Bears (Mammalia:Carnivora:Ursidae)
Deer (Mammalia:Artiodactyla:Cervidae)
Opossum (Mammalia:Marsupialia:Didelphidae)

## FLORIDA

**Florida State University**
**Psychology**
**Tallahassee, FL 32306**
CHAIRMAN: J. Grosslight 904-644-2040
DEGREES: MS, PhD ENROLLMENT: 50
CONTACT: J. Grosslight

Glayde Whitney Prof.
Univ. of Minnesota PhD 1966 904-644-4827
Behav Genetics
Evolution/Survival Value
Communication
chemical senses; ultrasonic communication
mice (Mammalia:Rodentia:Muridae)

**University of Florida**
**Entomology and Nematology**
**Gainesville, FL 32611**
CHAIRMAN: D.L. Shankland 904-392-1901
DEGREES: MS, PhD ENROLLMENT:
CONTACT: S. Kerr

James E. Lloyd Prof.
Cornell Univ. PhD 1966 904-392-1901
Behav Ecol
Communication
Evolution/Survival Value
biosystematics; visual and acoustical communication
Fireflies (Insecta:Coleoptera:Lampyridae)

L.P. Lounibos Assoc. Prof.
Harvard Univ. PhD 1974 305-562-5435
Behav Ecol-Predator/Prey Interact
Evolution/Survival Value
Social Behav-Sex and Reproduction
predator-prey interactions, oviposition behavior, maternal brooding among insects, esp. mosquitos; coccoon construction by silkworms
Mosquitos (Insecta:Diptera:Culicidae)
Silkworms (Insecta:Lepidoptera:Saturniidae)

Frank Slansky, Jr. Asst. Prof.
Cornell Univ. PhD 1974 904-392-4901
Behav Ecol-Foraging
Feeding/Ingestion
Evolution/Survival Value
nutritional ecology; feeding behavior;
growth/reproductive strategies; flight/migration
Moths (Insecta:Lepidoptera:Noctuidae)
True Bugs (Insecta:Hemiptera:Pentatomidae)
True Bugs (Insecta:Hemiptera:Lygaeidae)
Insects, general (Insecta)

**University of Florida**
**Psychology**
**Gainesville, FL 32611**
CHAIRMAN: Merle E. Meyer 904-392-0596/0601
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: D.A Dewsbury, or Grad. Sec., Dept. of Psychology

Donald A. Dewsbury Prof.
Univ. of Michigan PhD 1965 904-392-0596
Social Behav-Sex and Reproduction
Evolution/Survival Value
Social Behav
adaptive significance of social and reproductive
behavior in muroid rodents
Rodents (Mammalia:Rodentia:Cricetidae)
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)

**University of Florida**
**Wildlife and Range Sciences**
**Gainesville, FL 32611**
CHAIRMAN: Ron Labisky 904-392-4851
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Katherine Ewel, Schl of Forest Res. & Conserv

Michael W. Collopy Asst. Prof.
Univ. of Michigan PhD 1980 904-392-4851
Behav Ecol-Predator/Prey Interact
Social Behav-Parental/Filial
Behav Ecol-Other(Nesting Behav)
predator-prey relationships; foraging behavior of
territorial and colonially nesting birds; parental
investment theory
Raptors (Aves:Falconiformes:Accipitridae)
Raptors (Aves:Falconiformes:Falconidae)
Wading Birds (Aves:Ciconiformes:Aredeidae)

John F. Eisenberg Prof.
Univ. of Calif., Berkeley PhD 1962 904-392-4959
Social Behav-Parental/Filial
Social Behav
Behav Ecol
ecology and behavior of rodents and marsupials;
parental investment theory
Opposums (Mammalia:Marsupialia:Delphidae)
Rodents (Mammalia:Rodentia:Cricetidae)

John G. Robinson Assoc. Prof.
PhD 1977 904-392-1721
Behav Ecol
Communication
Social Behav
communication and social behavior of vertebrates, especially primates; conservation biology
Capuchin Monkeys (Mammalia:Primates:Cebidae)
Peccary (Mammalia:Artiodactyla:Tayassuidae)

Melvin E. Sunquist Research Scientist
Univ. of Minnesota PhD 1979 904-392-1721
Behav Ecol-Predator/Prey Interact
Social Behav
Social Behav-Parental/Filial
ecology and behavior of carnivores and marsupials; parental investment theory; carnivore behavior
Felines (Mammalia:Carnivora:Felidae)
Canines (Mammalia:Carnivora:Canidae)
Opossums (Mammalia:Marsupialia:Didelphidae)

**University of Florida**
**Zoology**
**Gainesville, FL 32611**
CHAIRMAN: David Evans 904-392-1107
DEGREES: PhD ENROLLMENT: 10
CONTACT: Carmine Lanciani, Graduate Advisor

Jane Brockmann Assoc. Prof.
Univ. of Wisconsin PhD 1976 904-392-1297
Evolution/Survival Value
Behav Ecol
Natural Hist/Descriptive Studies
evolution of behavior; alternative strategies; sex ratios; parental care; social behavior
Wasps (Insecta:Hymenoptera:Sphecoidea)
Horseshoe Crabs (Crustacea:Xiphosura:Limulidae)

John H. Kaufmann Prof.
Univ. of Calif., Berkeley PhD 1961 904-392-1194
Behav Ecol
Social Behav-Dominance
Social Behav-Social Spacing
behavioral ecology of vertebrates, esp. mammals, with emphasis on ecology and evolution of behavior
Raccoons (Mammalia:Carnivora:Procyonidae)
Kangaroos (Mammalia:Marsupialia:Macropodidae)
Wallabies (Mammalia:Marsupialia:Macropodidae)
Wood Turtles (Reptilia:Chelonia:Emydidae)

Harvey B. Lillywhite Assoc. Prof.
Univ. of Calif., Los Angeles PhD 1970 904-392-1101
Behav Ecol
Other-Thermoregulation
comparative and ecological physiology; behav ecol related to animal color and background matching; fire ecology; behav thermoregulation
Snakes (Reptilia:Serpentes)
Lizards (Reptilia:Sauria:Iguanidae)
Frogs (Amphibia:Anura:Ranidae)
Toads (Amphibia:Anura:Bufonidae)

**University of Miami**
**Biology**
**Coral Gables, FL 33124**
CHAIRMAN: Jay M. Savage 305-284-2130/3974
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Casimer T. Grabowski

William H. Evoy Prof.
Univ. of Oregon PhD 1964 305-284-2853
Locomotion
Neural Mech-Neurophysiol Correlates
Sensory Mech-Other (Mechanical)
neural mechanism of pattern generation and motor control in walking and swimming
Crayfish (Crustacea:Decapoda)
Tadpoles (Amphibia:Anura)
Fish (Osteichthyes)

Theodore H. Fleming Prof.
Univ. of Michigan PhD 1969 305-284-6330
Behav Ecol
Social Behav
Evolution/Survival Value
coevolution of fruits and frugivores; food choice, foraging and social behavior in frugivorous bats
Fruit Bats (Mammalia:Chiroptera:Phyllostomatidae)

Steven Green Prof.
Rockefeller Univ. PhD 1973 305-284-4272
Communication-Acoustic
Behav Ecol-Foraging
Methodol-Data Collect/Analysis
Macques (Mammalia:Primates:Cercopithecidae)

Julian C. Lee Assoc. Prof.
Univ. of Kansas PhD 1977 305-284-6420
Behav Ecol
Evolution/Survival Value
Biological Rhythms
geographic variation; phenetics and its adaptive significance
Anoles (Reptilia:Sauria:Iguanidae)
Anurans (Amphibia:Anura:Hylidae)
Toads (Amphibia:Anura:Bufonidae)

Peter Luykx Prof.
Univ. of Calif., Berkeley PhD 1964 305-284-6400
Behav Genetics
Social Behav
cytogenetics; population genetics; group interactions
Termites (Insecta:Isoptera:Kalotermitidae)

Arthur A. Myrberg, Jr. Prof.
Univ. of Calif., Los Angeles PhD 1961 305-361-4141
Behav Ecol
Communication-Acoustic
Social Behav
social behavior of fishes; underwater bio-acoustics; animal communication
Damselfishes (Osteichthyes:Perciformes:Pomacentridae)
Surgeonfishes(Osteichthyes:Perciformes:Acanthuridae)
Requiem Sharks (Chondrichthes:Selachii:Carcharinidae)

Jay M. Savage Prof.
Stanford Univ. PhD 1955 305-284-2130
Social Behav-Sex and Reproduction
Sensory Mech-Audition
Behav Ecol
tropical biology; biogeography
Tree Frogs (Amphibia:Anura:Hylidae)
Poison-dart Frogs (Amphibia:Anura:Hylidae)
Glass Frogs (Amphibia:Anura:Hylidae)
Rain Frogs (Amphibia:Anura:Hylidae)
Night Lizards (Reptilia:Sauria:Xantusiidae)

Richard R. Tokarz Asst. Prof.
Univ. of Colorado PhD 1977 305-284-6209
Social Behav-Sex and Reproduction
Social Behav-Dominance
Endocrine/Hormonal Mech
hormonal regulation of reproductive behaviors in reptiles
Green Anole (Reptilia:Sauria:Iguanidae)
Brown Anole (Reptilia:Sauria:Iguanidae)

Keith D. Waddington Assoc. Prof.
Univ. of Kansas PhD 1977 305-284-6301
Behav Ecol-Foraging
Communication
Behav Ecol-Predator/Prey Interact
foraging behavior; bee communication; optimal
foraging theory; pollinator feeding strategies
Honey Bees (Insecta:Hymenoptera:Apidae)
Bumble Bees (Insecta:Hymenoptera:Bombidae)
Bees (Insecta:Hymenoptera:Halictidae)

**University of Miami**
**Rosenstiel School of Marine and Atmospheric Science**
**Miami, FL 33149**
CHAIRMAN: Alan Berman 305-361-4000
DEGREES: ENROLLMENT: 5
CONTACT: Arthur A. Myrberg, Jr.

Arthur A. Myrberg, Jr. Prof 305-361-4141
(see U of Miami-Biology)

**University of South Florida**
**Biology**
**Tampa, FL 33620**
CHAIRMAN: Daniel Lim 813-974-3250
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Clinton Dawes, Graduate Coordinator

Henry Mushinsky Asst. Prof.
Clemson Univ. PhD 1973 813-974-2878
Behav Ecol
Evolution/Survival Value
Natural Hist/Descriptive Studies
behavioral ecology of reptiles; foraging
behavior; reproductive tactics
Racerunner Lizards (Reptilia:Sauria:Teiidae)
Water Snakes (Reptilia:Serpentes:Colubridae)
Gopher Tortoise (Reptilia:Chelonia:Testudinidae)

**University of West Florida**
**Biology**
**Pensacola, FL 32514**
CHAIRMAN: 904-474-2000
DEGREES: MS ENROLLMENT: 3
CONTACT: Paul Hamilton

Paul Hamilton Assoc. Prof.
Florida State Univ. PhD 1976 904-474-2746
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech-Vision
oriented movements and sensory capabilities of invertebrates
Sea Hares (Mollusca:Gastropoda)
Snails (Mollusca:Gastropoda)
Scallops (Mollusca:Pelecypoda)
Crabs (Crustacea:Decapoda)

## GEORGIA

**Emory University**
**Psychology**
**Atlanta, GA 30322**
CHAIRMAN: David A. Edwards 404-329-7438
DEGREES: PhD ENROLLMENT: 12
CONTACT: David A. Edwards

Kim Wallen Assoc. Prof.
Univ. of Wisconsin, Madison PhD 1978 404-329-7438
Social Behav
Endocrine/Hormonal Mech
Development/Ontogeny
hormonal determinants of female sexual initiation
in Rhesus monkeys; development of sex differences in Rhesus monkeys
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)

**Georgia College**
**Biological and Enivonmental Sciences**
**Milledgeville, GA 31061**
CHAIRMAN: David J. Cotter 912-453-4246
DEGREES: MS ENROLLMENT: 1
CONTACT: Sloan D. Caldwell

Kenneth S. Saladin Assoc. Prof.
Florida State Univ. PhD 1979 912-453-5290
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech
Behav Ecol-Other (Host-Parasite Relations)
host finding mechanisms of parasitic invertebrates
Human Blood Flukes (Trematoda:Digenea:Schistosomatidae)
Cat Fleas (Insecta:Siphonaptera:Pulicidae)
Dog Ticks (Arachnida:Acari:Ixodidae)
Parasitoid Wasps (Insecta:Hymenoptera:Pteromalidae)

**Georgia Institute of Technology**
**School of Psychology**
**Atlanta, GA 30332**
CHAIRMAN: Anderson D. Smith 404-894-2680
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: Charles Richie, or Terry L. Maple

Terry L. Maple Prof.
Univ. of Calif., Davis PhD 1974 404-894-6770
Applied Ethol-Wildlife
Development/Ontogeny
Social Behav
captivity; aggression; abnormal behavior; environmental psychology; attitudes toward wildlife; learning/memory; parental/reproductive problems
Great Apes (Mammalia:Primates:Pongidae)
Old World Monkeys (Mammalia:Primates:Cercopithecidae)
Even-Toed Ungulates (Mammalia:Artiodactyla)
Elephants (Mammalia:Proboscidea)

M. Jackson Marr Prof.
Univ. of N.C., Chapel Hill PhD 1965 404-894-2635
Learning
Drug Studies
Behav Ecol
operant conditioning; schedules of reinforcement; behavioral pharmacology
Pigeons (Aves:Columbiformes:Columbidae)
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Chimpanzees (Mammalia:Primates:Pongidae)

**University of Georgia**
**College of Veterinary Medicine**
**Athens, GA 30602**
CHAIRMAN: John Munnell 404-542-3221
DEGREES: MS ENROLLMENT: 0
CONTACT: Sharon Crowell-Davis

Sharon L. Crowell-Davis Asst. Prof.
Auburn Univ., Cornell Univ. DVM, PhD 1978,1983 404-542-3221
Applied Ethol-Domestic Animals
Applied Ethol-Other(Dom. Anim. Prob)
Applied Ethol-Other (Hum/Anim Relat)
developmental/maternal behavior; sexual behavior; temperment evaluation of companion animals; discrimination of medical/behavioral problems
Horse/Pony (Mammalia:Perissodactyla:Equidae)
Dog (Mammalia:Carnivora:Canidae)
Cat (Mammalia:Carnivora:Felidae)
Cow (Mammalia:Artiodactyla:Bovidae)
Goat (Mammalia:Artiodactyla:Bovidae)

**University of Georgia**
**Entomology**
**Athens, GA 30602**
CHAIRMAN: Preston Hunter 404-542-2816
DEGREES: MS,PhD ENROLLMENT: 15
CONTACT: T. Atyeo, Graduate Coordinator

Murray S. Blum Research Prof.
Univ. of Illinois PhD 1955 404-542-2301
Communication
Communication-Chemical
Communication-Other(Chem Defense)
insect pheromones; defensive compounds in arthropods; insect physiology; insect-plant coevolution; chemical ecology; social insects
Ants (Insecta:Hymenoptera:Formicidae)
Termites (Insecta:Isoptera)

Alfred Dietz Prof.
Univ. of Minnesota PhD 1966 404-542-8711
Behav Ecol-Foraging
Feeding/Ingestion
Communication
honey bee biology
Honey Bees (Insecta:Hymenoptera:Apidae)
Parasitic Mites (Arachnida:Parisitiformes)
Varroa Mite (Arachnida:Parasitiformes:Varroidae)
Honey Bee Trachea Mite (Arachnida:Parasitiformes:Tarsonemida)

David J.C. Fletcher Assoc. Prof.
Univ. of Natal (S. Africa) PhD 1966 404-542-7699
Social Behav
Communication
Behav Ecol
pheromonal regulation of social behavior; evolution of insect sociality
Ants (Insecta:Hymenoptera:Formicidae)
Bees (Insecta:Hymenoptera:Apidae)
Wasps (Insecta:Hymenoptera:Vespidae)

Henry R. Hermann Assoc. Prof.
Louisiana State Univ. PhD 1967 404-542-2816
Social Behav
Social Behav-Aggression
Social Behav-Dominance
morphology and behavior of insect defensive mechanisms
Wasps (Insecta:Hymenoptera:Vespidae)
Ants (Insecta:Hymenoptera:Formicidae)

Robert W. Matthews Prof.
Harvard Univ. PhD 1969 404-542-2816
Evolution/Survival Value
Natural Hist/Descriptive Studies
Social Behav-Sex and Reproduction
insect behavior; social insects; insect sexual behavior
Social Wasps (Insecta:Hymenoptera:Vespidae)
Parasitic Wasps (Insecta:Hymenoptera:Parasitica)
Solitary Wasps (Insecta:Hymenoptera:Sphecidae)

**University of Georgia**
**Pharmacology and Toxicology, School of Pharmacy**
**Athens, GA 30602**
CHAIRMAN: A.E. Wade 404-542-7410
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Randall Tackett

W. B. Iturrian Assoc. Prof.
Oregon State Univ. PhD 1968 404-542-7410
Development/Ontogeny
Drug Studies
Behav Genetics
effects of drugs, poisons and noise on the ontogeny of seizures; social pharmacology; teratology
Rodents (Mammalia:Rodentia:Muridae)
Rodents (Mammalia:Rodentia:Cricetidae)
Primates (Mammalia:Primates:Cercopithecidae)

**University of Georgia**
**Psychology**
**Athens, GA 30602**
CHAIRMAN: Roger K. Thomas 404-542-2174
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: B.N. Bunnell, Chair, Biopsychology Graduate Prog.

Irwin S. Bernstein Prof.
Univ. of Chicago PhD 1959 404-542-8139
Social Behav-Aggression
Social Behav-Dominance
Social Behav-Sex and Reproduction
social modification of aggressive expression in
adolescent rhesus monkeys
Macaques (Mammalia:Primates:Cercopithecidae)

Bradford N. Bunnell Prof.
Carnegie-Mellon Univ. PhD 1958 404-542-2174
Neural Mech-Brain Lesions
Social Behav-Aggression
Endocrine/Hormonal Mech
limbic forbrain mechanisms in species-typical
behavior of rodents; performance correlates of
social behavior in primates
Syrian Golden Hamster (Mammalia:Rodentia:Cricetidae)
Crab-Eating Macaque (Mammalia:Primates:Cercopithecidae)

Daniel Q. Estep Assoc. Prof.
Univ. of Florida PhD 1975 404-542-2174
Social Behav
Evolution/Survival Value
Applied Ethol
functions of copulatory patterns; social and environmental
influences on social and sexual behavior
Macaques (Mammalia:Primates:Cercopithecidae)
Rodents (Mammalia:Rodentia:Cricetidae)
Rodents (Mammalia:Rodentia:Muridae)
Rodents (Mammalia:Rodentia:Sciuridae)

Walter Isaac Prof.
Ohio State Univ. PhD 1953 404-542-4355
Neural Mech-Neurophysiol Correlates
Neural Mech-Brain Lesions
Drug Studies
Squirrel Monkey (Mammalia:Primates:Cebidae)
Hooded Rat (Mammalia:Rodentia:Muridae)

William B. Pavlik Prof.
Ohio State Univ. PhD 1956 404-542-4232
Learning-Other(Extinction)
Learning-Reinforcement(Positive)
Other-Stress Reactions
persistence of learned behaviors
Hooded Rat (Mammalia:Rodentia:Muridae)
Japanese Quail (Aves:Galliformes:Phasianidae)
Humans (Mammalia:Primates:Hominidae)

L.J. Peacock Prof.
Univ. of Kentucky PhD 1956 404-542-4733
Biological Rhythms
Methodol
Motivation/Emotion
behavioral effects of ionizing radiation;
conditioned taste aversions and preferences
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

Roger K. Thomas Prof.
Univ. of Georgia PhD 1965 404-542-2174
Learning-Complex
Neural Mech
conceptual behavior in squirrel monkeys
Squirrel Monkey (Mammalia:Primates:Cebidae)

**University of Georgia**
**Zoology**
**Athens, GA 30602**
CHAIRMAN: Gordhan Patel 404-542-8239/3310
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: H. Ronald Pulliam

Gene S. Helfman Asst. Prof.
Cornell Univ. PhD 1979 404-542-3310
Behav Ecol-Predator/Prey Interact
Development/Ontogeny
Evolution/Survival Value
predator-prey interactions in fishes; ontogeny of escape and predation behavior; diel activity in fishes; applied ethology of fishing methods
French Grunts (Osteichthyes:Perciformes:Haemulidae)
American Eels (Osteichthyes:Anguilliformes:Anguillidae)
Yellow Perch (Osteichthyes:Perciformes:Percidae)
Damselfish (Osteichthyes:Perciformes:Pomacentridae)

H. Ronald Pulliam Assoc. Prof.
Duke Univ. PhD 1970 404-542-8239
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Social Behav-Dominance
behavior and ecology of sparrows; foraging theory; social behavior of vertebrates
Sparrows (Aves:Passeriformes:Emberizidae)

**University of Georgia**
**School of Forest Resources**
**Athens, GA 30602**
CHAIRMAN: L.A. Hargreaves, Jr., Dean 404-542-2686
DEGREES: MS,PhD ENROLLMENT: 10
CONTACT: Graduate Coordinator, School of Forest Resources

R. Larry Marchinton Assoc. Prof.
Auburn Univ. PhD 1968 404-542-3932
Applied Ethol-Wildlife
Behav Ecol-Territoriality
Communication-Chemical
social behavior-dominance; behavioral ecology and management of the cervids with emphasis on white-tailed deer
White-tailed Deer (Mammalia:Artiodactyla:Cerivdae)
Sambar Deer (Mammalia:Artiodactyla:Cervidae)
Brocket Deer (Mammalia:Artiodactyla:Cervidae)

# HAWAII

**University of Hawaii**
**Psychology**
**Honolulu, HI 96822**
CHAIRMAN: J. Carlson 808-948-7614
DEGREES: MA, PhD ENROLLMENT: 4
CONTACT: L. M. Herman

Louis M. Herman Prof.
Pennysīvania State Univ. PhD 1961 808-537-2042
Learning
Communication
Behav Ecol
laboratory studies of cognitive capabilities of bottlenose dolphins; field studies of humpback whale behavior and distribution
Bottlenosed Dolphins (Mammalia:Cetacea:Delphinidae)
Humpback Whale (Mammalia:Cetacea:Balaenopteridae)

**University of Hawaii**
**Zoology, Hawaii Institute of Marine Biology**
**Honolulu, HI 96822**
CHAIRMAN: Fred I. Kamemoto 808-948-8617
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Fred I. Kamemoto

George Losey Prof.
Univ. of Calif., San Diego PhD 1968 808-247-6631
Behav Ecol
Social Behav
Methodol
interspecific interactions, particularly symbiotic behavior, interspecific aggression; proximate causes of behavior
Reef fishes (Osteichthyes)

Ernst S. Reese Prof.
Univ. of Calif., Los Angeles PhD 1960 808-948-8677
Behav Ecol
Development/Ontogeny
Social Behav
development, ethology, sociobiology, and ecology of coral reef fishes and crustacea
Butterflyfishes (Osteichthyes:Perciformes:Chactodontidae)
Damselfishes (Osteichthyes:Perciformes:Pomacentridae)
Hermit Crabs (Crustacea:Decapoda:Paguridae)
Shrimps (Crustacea:Decapoda:Homaridae)
Lobsters (Crustacea:Decapoda:Homaridae)

# IDAHO

**Idaho State University**
**Biological Sciences**
**Pocatello, ID 83209**
CHAIRMAN: Edwin House 208-236-3765
DEGREES: MS, PhD, ENROLLMENT: 5
CONTACT: R. House

C. Trost Prof.
Univ. of Calif., L.A. PhD 1968 208-236-3337
Social Behav-Dominance
Play
Behav Ecol
field research on the avian family of Corvidae;
evolution and genetic fixation of culturally learned behavior
Black-billed Magpie (Aves:Passeriformes:Corvidae)
Pinyon Jay (Aves:Passeriformes:Corvidae)
American Crow (Aves:Passeriformes:Corvidae)
Black-footed Ferret (Mammalia:Rodentia:Mustelidae)
Sculpins (Osteichthys:Scorpaeniformes:Cottidae)

**University of Idaho**
**Biological Sciences**
**Moscow, ID 83843**
CHAIRMAN: A.W. Rourke 208-885-6280
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: A.W. Rourke, Chairman

J.A. Byers Asst. Prof.
Univ. of Colorado PhD 1980 208-885-6256
Development/Ontogeny
Play
Social Behav
evolutionary significance of developmental
plasticity in mammals; evolution of behavioral development
Ibex (Mammalia:Artiodactyla:Bovidae)
Collared Peccary (Mammalia:Artiodactyla:Tayassuidae)
Pronghorn (Mammalia:Artiodactyla:Antilocapridae)

**University of Idaho**
**Plant, Soil and Entomological Sciences**
**Moscow, ID 83843**
CHAIRMAN: Gary A. Lee 208-885-7546
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: Marc J. Klowden

Marc J. Klowden Assoc. Prof.
Univ. of Illinois PhD 1976 208-885-7546
Feeding/Ingestion
Endocrine/Hormonal Mech
physiology of mosquito feeding behavior
Mosquitos (Insecta:Diptera:Culicidae)

## ILLINOIS

**Bradley University**
**Biology**
**Peoria, IL 61625**
CHAIRMAN: B.J. Mathis 309-676-7611
DEGREES: ENROLLMENT: 1
CONTACT: B.J. Mathis

Gail Stratton Asst. Prof.
Univ. of Cincinnati PhD 1982 309-676-7611
Social Behav-Sex and Reproduction
Evolution/Survival Value
Communication-Acoustic
reproduction in spiders
Wolf Spiders (Chelicerata:Arachnida:Lycosidae)

**Illinois State University**
**Biological Sciences**
**Normal, IL 61761**
CHAIRMAN: George W. Kidder, III 309-438-3664
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Derek McCracken

Colin Barnett Asst. Prof.
Univ. of Calif., Berkeley PhD 1980 309-438-8252
Social Behav-Sex and Reproduction
Evolution/Survival Value
Communication
fish mating systems; rodent mating systems
Darters (Osteichthyes:Perciformes:Percidae)
Dwarf Hamsters (Mammalia:Rodentia:Cricetidae)

**Northern Illinois University**
**Biological Sciences**
**DeKalb, IL 60115**
CHAIRMAN: Marvin Starzyk 815-753-0433
DEGREES: ENROLLMENT: 8
CONTACT: Kadabe V. Prahlad

Lowell K. Nicolaus Asst. Prof.
North Dakota State Univ. PhD 1984 815-753-0433
Learning-Avoidance
Behav Ecol-Foraging
Evolution/Survival Value
characterization of taste aversion conditioning among vertebrates
Goldfish (Osteichthyes:Cyprinodontiformes:Cyprinidae)
Common Ravens (Aves:Passeriformes:Corvidae)
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Wolves (Mammalia:Carnivora:Canidae)
Racoons (Mammalia:Carnivora:Procyonidae)

**Southern Illinois University**
**Physiology**
**Carbondale, IL 62901**
CHAIRMAN: Andrzej Bartke 618-536-5514
DEGREES: MS, PhD ENROLLMENT: 1
CONTACT: A. Bartke

A. Bartke Prof.
Univ. of Kansas PhD 1965 618-536-5513
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
Neural Mech-Other(Neurotransmitters)
hyperprolactinemia and male copulatory behavior
Rat (Mammalia:Rodentia:Muridae)
Mouse (Mammalia:Rodentia:Muridae)
Hamster (Mammalia:Rodentia:Cricetidae)

**Southern Illinois University**
**Zoology**
**Carbondale, IL 62901**
CHAIRMAN: Ron A. Brandon 618-536-2314
DEGREES: MA, MS, PhD ENROLLMENT: 8
CONTACT: Brooks Burr, Director of Graduate Studies

T.R. Anthoney Assoc. Prof.
Univ. of Chicago MD, PhD 1968, 1975 618-529-1660
Evolution/Survival Value
Development/Ontogeny
Biological Rhythms
evolution of primitive motor patterns in
vertebrates; evolution and ontogeny of human hiccup
Humans (Mammalia:Primates:Hominidae)
Squirrel Monkeys (Mammalia:Primates:Cebidae)
Ducks (Aves:Anseriformes:Anatinae)
Tortoises (Reptilia:Chelonia:Testudinidae)
Snakes (Reptilia:Serpentes:Viperidae)

David G. King Assoc. Prof.
Univ. of Calif., San Diego PhD 1975 618-536-5513
Evolution/Survival Value
Neural Mech
Behav Genetics
evolutionary and genetic determination of specific
cellular pathways underlying innate, adaptive
behavior; neuronal structure and ultrastructure
Flies (Insecta:Diptera:Brachycera)
Flies (Insecta:Diptera:Cyclorrhapha)
Fruit Fly (Insecta:Diptera:Drosophilidae)

Thomas C. Tacha Asst. Prof.
Oklahoma State Univ. PhD 1981 618-536-7766
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Social Behav
social behavior; time and energy allocations;
migration, habitat selection, foraging, and
applied ethology related to migratory birds
Sandhill Crane (Aves:Gruiformes:Gruidae)
Canada Goose (Aves:Anseriformes:Anatidae)
American Coot (Aves:Gruiformes:Rallidae)
Mallard (Aves:Anseriformes:Anatidae)

George H. Waring Prof.
Colorado State Univ. PhD 1966 618-536-2314
Applied Ethol
Natural Hist/Descriptive Studies
Communication
horse behavior; applied ethology of wildlife, farm
animals and pest species; behavioral adaption of
vertebrates; social behavior; development/ontogeny
Ungulates (Mammalia:Artiodactyla)
Marine Mammals (Mammalia:Cetacea)
Horses (Mammalia:Perissodactyla:Equidae)
Birds (Aves)
Fishes (Osteichthyes)

**University of Chicago**
**Anatomy**
**Chicago, IL 60637**
CHAIRMAN: P.S. Ulinski 312-962-8090
DEGREES: PhD ENROLLMENT: 3
CONTACT: M. Feder

George V. Lauder Asst. Prof.
Harvard Univ. PhD 1979 312-962-8090
Feeding/Ingestion
Behav Ecol
Neural Mech
feeding behavior of lower vertebrates
Fishes (Osteichythes)
Salamanders (Amphibia:Caudata)

**University of Chicago**
**Behavioral Sciences, Comm. on Biopsychology**
**Chicago, IL 60637**
CHAIRMAN: Don Fiske 312-962-8860
DEGREES: MA, PhD ENROLLMENT: 6
CONTACT: S.P Grossman or Marilyn Jacobson

Martha K. McClintock Assoc. Prof.
Univ. of Pennsylvania PhD 1974 312-753-3860
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
Communication-Chemical
social regulation of fertility; mating systems; pheromones
Norway Rat (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

**University of Chicago**
**Biology, Committee on Evolutionary Biology**
**Chicago, IL 60637**
CHAIRMAN: James A. Teeri 312-962-8933
DEGREES: PhD ENROLLMENT: 8
CONTACT: V. Muhonen (Bio) or M. Dillon (Comm. on Evol. Bio)

Jeanne Altmann Res. Assoc. (Asst. Prof.)
Univ. of Chicago PhD 1979 312-962-8920
Methodol
Behav Ecol
Development/Ontogeny
ontogeny of social behavior in free-ranging primates
Baboons (Mammalia:Primates:Cercopithecidae)

Stuart Altmann Prof. (Biology, Evol Bio)
Harvard Univ. PhD 1960 312-962-8919
Behav Ecol-Foraging
Methodol-Theoretical Models
Communication
behavior, social relationships and ecology of primates
Baboons (Mammalia:Primates:Cercopithecidae)

Stevan J. Arnold Assoc. Prof.
Univ. of Michigan PhD 1972 312-962-3402
Evolution/Survival Value
Behav Genetics
Behav Ecol
inheritance and microevolution of behavior; sexual selection; comparative ethology
Garter Snakes (Reptilia:Serpentes:Colubridae)
Newts (Amphibia:Caudata:Salamandridae)

John W. Fitzpatrick Senior Lecturer
Princeton Univ. PhD 1978 312-922-9410
Behav Ecol-Foraging
Behav Ecol-Territoriality
Social Behav-Other(Evol of Cooperat)
demography/social behavior/cooperative breeding/ territory strategies in Fl. Scrub Jay; foraging tactics/search strategies of insectivorous birds
Flycatchers (Aves:Passeriformes:Tyrannidae)
Scrub Jay (Aves:Passeriformes:Corvidae)

Lynne D. Houck Res. Assoc. (Asst. Prof.)
Univ. of Calif., Berkeley PhD 1977 312-962-3401
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol-Territoriality
evolution of behavior; sexual selection;
reproductive success
Dusky Woodland Salamander (Amphibia:Caudata:Plethodontidae)
Other Salamanders (Amphibia:Caudata:Plethodontidae)

Douglas W. Schemske Assoc. Prof.
Univ. Illinois, Champaign PhD 1977 312-962-3417
Behav Ecol
Evolution/Survival Value
Social Behav
hummingbird foraging behavior; pollination biology,
foraging behavior, mating behavior of bees; seed dispersal
by ants; ant defense of extrafloral nectaries
Bees (Insecta:Hymenoptera)
Wasps (Insecta:Hymenoptera)
Ants (Insecta:Hymenoptera:Formicidae)
Hummingbirds (Aves:Apodiformes:Trochilidae)

**University of Illinois**
**Ecology, Ethology, and Evolution**
**Urbana, IL 61801**
CHAIRMAN: George O. Batzli 217-333-7802
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: G.O. Batzli, or Mrs. Jean Patterson

Nancy Burley Assoc. Prof.
Univ. of Texas, Austin PhD 1977 217-333-7077
Social Behav-Sex and Reproduction
Evolution/Survival Value
Communication
sexual selection; evolution of mating systems;
intraspecific communication
Zebra Finches (Aves:Passeriformes:Estrilidae)
Pigeons (Aves:Passeriformes:Columbidae)
Australian Finches (Aves:Passeriformes:Estrilidae)

Lowell L. Getz Prof.
Univ. of Michigan PhD 1960 217-333-6516
Behav Ecol-Territoriality
Social Behav-Social Spacing
Prairie Voles (Mammalia:Rodentia:Cricetidae)
Meadow Voles (Mammalia:Rodentia:Cricetidae)

Ronald P. Larkin Assoc. Ecologist
Rockefeller Univ. PhD 1973 217-333-7513
Behav Ecol-Orient/Nav/Migrat/Homing
Communication-Acoustic
Applied Ethol-Wildlife
use of radar and other indirect techniques to
study the long-distance movements of animals
Birds (Aves)
Insects (Insecta)

Scott K. Robinson Affiliate
Princeton Univ. PhD 1984 217-333-6857
Social Behav-Aggression
Behav Ecol-Habitat Selection
Behav Ecol-Foraging
social behav/sexual select. in blackbirds; effects of interspecific aggress./vegetation structure on habitat select. in birds; tropical behav. ecology
Yellow-rumped Caciques (Aves:Passeriformes:Icteridae)
Warblers (Aves:Passeriformes:Parulidae)
Vireos (Aves:Passeriformes:Vireonidae)
Tropical Birds

Michael Salmon Prof.
Univ. of Maryland PhD 1964 217-333-4329
Communication
Evolution/Survival Value
Sensory Mech
marine invertebrate behavior; field studies at marine sites
Fiddler Crabs (Crustacea:Decapoda)
Fishes (Osteichthyes)
Other Invertebrates

**University of Illinois**
**Physiology and Biophysics**
**Urbana, IL 61801**
CHAIRMAN: 217-333-1735
CONTACT: Albert Feng

Albert S. Feng
Neural Mech
Sensory Mech
Communication-Acoustic
acoustic neurophysiology of amphibians
Frogs (Amphibia:Anura)
Toads (Amphibia:Anura)

**University of Illinois**
**Psychology**
**Urbana, IL 61801**
CONTACT: Jerry Hirsch

Jerry Hirsch
Univ. of Calif., Berkeley PhD 1955
Behav Genetics
Learning
behavior genetics analysis
Blow Fly (Insecta:Diptera:Calliphoridae)
Fruit Fly (Insecta:Diptera:Drosophilidae)

**Western Illinois University**
**Biological Sciences**
**Macomb, IL 61455**
CHAIRMAN: B.M. Stidd 309-298-1546
DEGREES: MS ENROLLMENT: 7
CONTACT: J. D. Ives

Edwin C. Franks Prof.
Ohio State Univ. PhD 1965 309-298-1362
Natural Hist/Descriptive Studies
small bird ecology and behavior
Songbirds (Aves:Passeriformes)
Woodpeckers (Aves:Piciformes:Picidae)
Hummingbirds (Aves:Apodiformes:Trochilidae)
Swifts (Aves:Apodiformes:Apodidae)

Larry A. Jahn Prof.
Montana State Univ. PhD 1968 309-298-1266
Applied Ethol
striped bass usefulness in and management of small impoundments; effects of fertilizing strip-mine lakes; fish in thermally-loaded reservoirs
Hybrid Striped Bass (Osteichthyes:Perciformes:Percichthyidae)
Gizzard Shad (Osteichthyes:Clupeiformes:Clupeidae)
Largemouth Bass (Osteichthyes:Perciformes:Centrarchidae)
White Crappie (Osteichthyes:Perciformes:Centrarchidae)

John E. Warnock Prof.
Univ. of Wisconsin, Madison PhD 1963 309-298-1265
Applied Ethol-Wildlife
Natural Hist/Descriptive Studies
ecology of small mammal populations with emphasis on the relationships of behavior, density and physical factors of the environment
Rodents (Mammalia:Rodentia:Cricetidae)
Bats (Mammalia:Chiroptera)
Pheasants (Aves:Galliformes:Phasianidae)

## INDIANA

**Indiana University**
**Biology**
**Bloomington, IN 47405**
CHAIRMAN: Rollin Richmond 812-335-6283
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Mrs. D. Brown, Biology Graduate Secretary

Ellen D. Ketterson Assoc. Prof.
Indiana Univ. PhD 1974 812-335-6837
Behav Ecol-Orient/Nav/Migrat/Homing
Biological Rhythms
Social Behav-Parental/Filial
migration; parental care; dominance; appetite regulation
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Tree-sparrow (Aves:Passeriformes:Emberizidae)
White-crowned sparrow (Aves:Passeriformes:Emberizidae)

Craig E. Nelson Assoc. Prof.
Univ. of Texas PhD 1966 812-335-1345
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol-Predator/Prey Interact
community and population structure of Amphibia; social behavior in Amphibia; developmental ecology of turtles
Frogs (Amphibia:Anura)
Salamanders (Amphibia:Caudata)
Turtles (Reptilia:Chelonia)

Val Nolan, Jr. Prof.
Indiana Univ. JD 1949 812-335-6209
Behav Ecol-Orient/Nav/Migrat/Homing
Social Behav-Sex and Reproduction
Social Behav-Other(Brood Parasitism)
sex ratio; intraspecific variation in migration; mating systems; hormones and behavior; host-parasite interactions
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Red-winged Blackbird (Aves:Passeriformes:Emberizidae)
Indigo Bunting (Aves:Passeriformes:Emberizidae)
Brown-headed Cowbird (Aves:Passeriformes:Emberizidae)
Prairie Warbler (Aves:Passeriformes:Emberizidae)

William Rowland Assoc. Prof.
SUNY, Stony Brook PhD 1970 812-335-3470
Social Behav
Communication
Behav Ecol
integration of classical ethological concepts with those of behavioral ecology/sociobiology; display behavior; courtship and aggresion; mate choice
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)
Cichlids (Osteichthyes:Perciformes:Cichlidae)
Sunfishes (Osteichthyes:Perciformes:Centrarchidae)

Roderick A. Suthers Prof.
Harvard Univ. PhD 1964 812-335-8353
Behav Ecol
Sensory Mech-Audition
Communication-Acoustic
animal sonar systems; physiology of acoustics of bird song; auditory physiology; sensory ecology
Birds (Aves)
Bats (Mammalia:Chiroptera)

**Indiana University**
**Psychology**
**Bloomington, IN 47405**
CHAIRMAN: Irving J. Saltzman 812-339-3305
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: William D. Timberlake

Jeffrey R. Alberts Prof.
Princeton Univ. PhD 1974 812-335-3309
Development/Ontogeny
Sensory Mech-Chemical
Other-Energetics
parent-offspring relations; development of adaptive specializations
Norway Rat (Mammalia:Rodentia:Muridae)
California Mouse (Mammalia:Rodentia:Muridae)
Egyptian Spiny Mouse (Mammalia:Rodentia:Muridae)

William D. Timberlake Prof.
Univ. of Michigan PhD 1969 812-335-4042
Learning-Reinforcement
Behav Ecol-Foraging
Biological Rhythms
the investigation of learning in an ecological context
Rats (Mammlia:Rodentia:Muridae)
Pigeons (Aves:Columbiformes:Columbidae)
Deer Mice (Mammalia:Rodentia:Cricetidae)

**Purdue University**
**Animal Sciences**
**W. Lafayette, IN 47907**
CHAIRMAN: Walter Woods 317-494-4808
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Jack L. Albright

J.L. Albright Prof.
Washington State Univ. PhD 1957 317-494-8010
Applied Ethol-Domestic Animals
Social Behav-Dominance
Behav Ecol-Habitat Selection
farm animal behavior, care and welfare; early experiences
Cattle (Mammalia:Artiodactyla:Bovidae)
Sheep (Mammalia:Artiodactyla:Bovidae)
Goats (Mammalia:Artiodactyla:Bovidae)
Pigs (Mammalia:Artiodactyla:Suidae)
Other Farm Animals

Rodney D. Allrich Asst. Prof.
Univ. of Nebraska PhD 1981 317-494-4844
Endocrine/Hormonal Mech
Neural Mech
Social Behav-Sex and Reproduction
sexual behavior/reproduction
Cattle (Mammalia:Artiodactyla:Bovidae)

**Purdue University**
**Biological Sciences**
**W. Lafayette, IN 47907**
CHAIRMAN: L.D. Smith 317-494-4407
DEGREES: MS, PhD ENROLLMENT: 128
CONTACT: Donna Whaley, Graduate Admissions Office

Richard D. Howard Assoc. Prof.
Univ. of Michigan PhD 1977 317-494-8136
Social Behav
Behav Ecol
Evolution/Survival Value
sexual selection and the evolution of mating systems
Bullfrogs (Amphibia:Salientia:Ranidae)
Woodfrogs (Amphibia:Salientia:Ranidae)
Mockingbirds (Aves:Passeriformes:Mimidae)
Dragonflies (Insecta:Odonata:Libellulidae)

Kerry N. Rabenold Asst. Prof.
Univ. North Carolina PhD 1976 317-494-8120
Behav Ecol
Evolution/Survival Value
Social Behav
ecological determinants of social behavior and
seasonal movements; consequences of dominance;
life history alternatives; community ecology
Stripe-backed Wren (Aves:Passeriformes:Troglodytidae)
Bicolored Wren (Aves:Passeriformes:Troglodytidae)
Fasciated Wren (Aves:Passeriformes:Troglodytidae)
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Black-capped Chickadee (Aves:Passeriformes:Paridae)

Peter Waser Assoc. Prof.
Rockefeller Univ. PhD 1974 317-494-8129
Behav Ecol
Evolution/Survival Value
Communication-Acoustic
spacing, territoriality, dispersal in mammals;
ecological constraints on acoustic communication
Kangaroo Rats (Mammalia:Rodentia:Heteromyidae)
Mangabeys (Mammalia:Primates:Cercopithicidae)
Mongooses (Mammalia:Carnivora:Viverridae)

# IOWA

**Iowa State University**
**Animal Ecology**
**Ames, IA 50011**
CHAIRMAN: Bruce Menzel 515-294-6107
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Bruce Menzel

Louis B. Best Prof.
Univ. of Illinois PhD 1974 515-294-7477
Behav Ecol
Behav Ecol-Territoriality
Behav Ecol-Habitat Selection
foraging and breeding ecology
Passerines (Aves:Passeriformes)
Sparrows (Aves:Passeriformes:Emberizidae)

**Iowa State University**
**Zoology**
**Ames, IA 50011**
CHAIRMAN: Duane Enger 515-294-3316
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Edwin Powell

Kenneth C. Shaw Prof.
Univ. of Michigan PhD 1966 515-294-1180
Communication
Social Behav
Natural History/Descriptive Studies
acoustic and associated behavior of katydids, crickets, and leafhoppers
Katydids (Insecta:Orthoptera:Tettigoniidae)
Crickets (Insecta:Orthoptera:Gryllidae)
Leafhoppers (Insecta:Homoptera:Cicadellidae)

**University of Iowa**
**Psychology**
**Iowa City, IA 52242**
CHAIRMAN: D.W. Norton 319-353-5198
DEGREES: MA, PhD ENROLLMENT: 12
CONTACT: I. Gormezano

I. Gormezano Prof.
Univ. of Wisconsin, Madison PhD 1958 319-353-5263
Learning
Neural Mech
Drug Studies
behavioral and neural mechanisms of appetitive and aversive Pavlovian conditioning
Rabbit (Mammalia:Lagomorpha:Leporidae)

J.A. Harvey Prof.
Univ. of Chicago PhD 1959 319-353-4764
Drug Studies
Neural Mech
Learning
behavioral and biochemical effects of central nervous system lesions; psychopharmacology; neurochemical basis of conditioning
Rabbit (Mammalia:Lagomorpha:Leporidae)

A.K. Johnson Prof.
Univ. of Pittsburgh PhD 1970 319-353-6947
Feeding/Ingestion
Motivation/Emotion
Neural Mech
neurobiology of thirst and body fluid homeostasis;
behavior and cardiovascular system; stress-induced hypertension
Rat (Mammalia:Rodentia:Muridae)

W.L. Randall Prof.
Univ. of Chicago PhD 1961 319-353-6856
Biological Rhythms
Endocrine/Hormonal Mech
Neural Mech
brain, hormones and neurotransmitter systems as
they relate to biological rhythms
Cat (Mammalia:Carnivora:Felidae)

A. Randich Assoc. Prof.
Dalhousie Univ. PhD 1978 319-353-4198
Motivation/Emotion
Neural Mech
Learning
pain; cardiovascular control; conditioning
Rat (Mammalia:Rodentia:Muridae)

E.A. Wasserman Prof.
Indiana Univ. PhD 1972 319-353-4027
Learning
Other-Comparative Psychology
Behav Ecol
learning and memory; autoshaping; short-term
memory; operant conditioning; comparative psychology
Pigeon (Aves:Columbiformes:Columbidae)

## KANSAS

**Kansas State University**
**Animal Sciences and Industry**
**Manhattan, KS 66506**
CHAIRMAN: Don Good 913-532-5654
DEGREES: PhD ENROLLMENT: 4
CONTACT: James V. Craig

A.W. Adams Prof.
South Dakota State Univ. PhD 1965 913-537-5654
Applied Ethol-Domestic Animals
Feeding/Ingestion
effects of artificial environments on productivity
and well being of domesticated chickens
Chicken (Aves:Galliformes)

James V. Craig Prof.
Univ. of Wisconsin, Madison PhD 1952 913-532-5654
Behav Genetics
Social Behav-Aggression
Social Behav-Dominance
density and group size effects on aggression;
fear-related responses; well-being
Chicken (Aves:Galliformes)
Swine (Mammalia:Artiodactyla:Suidae)
Cattle (Mammalia:Artiodactyla:Bovidae)

**Kansas State University**
**Biology**

**Manhattan, KS 66506**
CHAIRMAN: Terry C. Johnson 913-532-6615
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: C.L. Cramer, Chairman Graduate Selection Committee

Donald W. Kaufman Assoc. Prof.
Univ. of Georgia PhD 1972 913-532-6622
Behav Ecol-Habitat Selection
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
ecological and behavioral responses of grasslands rodents to fire and grazing; adaptive coloration; habitat/microhabitat distribution of Cricetidae
New World Mice (Mammalia:Rodentia:Cricetidae)
Pocket Mice (Mammalia:Rodentia:Heteromyidae)
Kangaroo Mice (Mammalia:Rodentia:Heteromyidae)

O.J. Reichman Asst. Prof.
Northern Arizona Univ. PhD 1974 913-532-6291
Behav Ecol-Foraging
Social Behav-Social Spacing
Communication-Acoustic
foraging and caching behavior; spacing and underground communication
Kangaroo Rats (Mammalia:Rodentia:Heteromyidae)
Pocket Gophers (Mammalia:Rodentia:Geomyidae)
Woodrats (Mammalia:Rodentia:Cricetidae)
Miscellaneous Vertebrates

Robert J. Robel Prof.
Utah State Univ. PhD 1961 913-532-6644
Behav Ecol
Social Behav
Feeding/Ingestion
ecological energetics; population regulation; assessment of toxic materials in the environment; wildlife biology
Bobwhites (Aves:Galliformes:Phasianidae)
Cardinals (Aves:Passeriformes:Emberizidae)
Sparrows (Aves:Passeriformes:Emberizidae)
Waterfowl (Aves:Anseriformes:Anatidae)

Christopher C. Smith Prof.
Univ. of Washington PhD 1965 913-532-6656
Behav Ecol
Social Behav-Social Spacing
Communication-Acoustic
foraging; territoriality; social spacing; acoustic communication
Pine Squirrels (Mammalia:Rodentia:Sciuridae)
Fox Squirrels (Mammalia:Rodentia:Sciuridae)
Howling Monkey (Mammalia:Primates:Cebidae)

John L. Zimmerman Prof.
Univ. of Illinois PhD 1963 913-532-6659
Behav Ecol-Habitat Selection
Social Behav
Natural Hist/Descriptive Studies
habitat selection; breeding behavior; social organization
Birds (Aves)
Passerines (Aves:Passeriformes)

**University of Kansas**
**Division of Biological Sciences**
**Lawrence, KS 66045**
CHAIRMAN: Gunther Schlager 913-864-4301
DEGREES: MA, PhD ENROLLMENT: 15
CONTACT: Kenneth B. Armitage

Kenneth B. Armitage Prof.
Univ. of Wisconsin PhD 1954 913-864-4301
Behav Ecol
Social Behav
Evolution/Survival Value
social behavior and population dynamics; mating systems
Yellow-bellied Marmot (Mammalia:Rodentia:Sciuridae)
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Chipmunks (Mammalia:Rodentia:Sciuridae)

William J. Bell Prof.
Univ. of Pennsylvania PhD 1969 913-864-4578
Behav Ecol-Orient/Nav/Migrat/Homing
Behav Ecol-Foraging
Behav Genetics
orientation mechanisms of search behavior
Fruit Flies (Insecta:Diptera:Drosophilidae)
House Flies (Insecta:Diptera:Muscidae)
Cockroaches (Insecta:Orthoptera:Blattidae)

Rudolf Jander Prof.(system./ecol. ent.)
Munich, West Germany PhD 1957 913-864-3457
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech-Vision
Learning
visual pattern discrimination; topographical orientation
Honey Bee (Insecta:Hymenoptera:Apidae)
Gerbil (Mammalia:Rodentia:Cricetidae)
Goat (Mammalia:Artiodactyla:Bovidae)

Richard F. Johnston Prof.
Univ. of Calif., Berkeley PhD 1955 913-864-3926
Evolution/Survival Value
Natural Hist/Descriptive Studies
Behav Ecol
foraging behavior, breeding biology and other ecology and behavior of birds
Pigeons (Aves:Columbiformes:Columbidae)
House Sparrow (Aves:Passeriformes:Passeridae)

Charles D. Michener Prof.
Univ. of Calif. PhD 1942 913-864-4610
Social Behav
Natural Hist/Descriptive Studies
primitive social behavior in bees and wasps
Bees (Insecta:Hymenoptera)
Wasps (Insecta:Hymenoptera)

David M. Quadagno Prof.
Univ. of Illinois PhD 1969 913-864-4021
Endocrine/Hormonal Mech
Neural Mech
Social Behav
hormonal control of reproduction in rodents; human sexuality and aging
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

## KENTUCKY

**Eastern Kentucky University**
**Biological Sciences**
**Richmond, KY 40475**
CHAIRMAN: Sanford L. Jones 606-622-1531
DEGREES: M.A.,M.S. ENROLLMENT:
CONTACT: Gary Ritchison

Gary Ritchison Assoc. Prof.
Utah State University PhD 1980 606-622-1541
Social Behav
Communication
Behav Ecol
acoustic communication of birds
Northern Cardinal (Aves:Passiformes:Emberizidae)
Screech Owl (Aves:Strigiformes:Strigidae)
American Kestrel (Aves:Falconiformes:Falconidae)

**Western Kentucky University**
**Biology**
**Bowling Green, KY 42101**
CHAIRMAN: 502-745-6006
DEGREES: M.S. ENROLLMENT: 2
CONTACT: Elmer Gray

B.R. Ferrell Assoc. Prof.
Louisiana State University PhD 1979 502-745-6006
Biological Rhythms
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
circadian rhythms-effects of environmental cues on physiological mechanisms regulating the expression of behaviors
Green Anole (Reptilia:Sauria:Iguanidae)
Northern Fence Lizard (Reptilia:Sauria:Iguanidae)
White-throated Sparrow (Aves:Passeriformes:Emberizidae)

## LOUISIANA

**Northeast Louisiana University**
**Psychology**
**Monroe, LA 71209**
CHAIRMAN: O.N. Walley 504-342-2116
DEGREES: M.S. ENROLLMENT: 3
CONTACT: O.N. Walley

Maury M. Haraway Prof.
Univ. of Mississippi PhD 1967 342-2116
Communication-Acoustic
Learning-Reinforcement
Behav Ecol-Foraging
value of species-typical behavior; vocalization in gibbons; foraging in rodents
Siamang Gibbons (Mammalia:Primates:Pongidae)
Mueller's Gibbons (Mammalia:Primates:Pongidae)
Lar Gibbons (Mammalia:Primates:Pongidae)
Agile Gibbons (Mammalia:Primates:Pongidae)
Gerbils (Mammalia:Rodentia:Cricetidae)

Ernest G. Maples, Jr. Prof.
Univ. of Mississippi PhD 1967 342-4146
Communication-Acoustic
Learning-Reinforcement
Behav Ecol-Foraging
value of species-typical behavior; vocalization in gibbons; foraging in rodents
Siamang Gibbons (Mammalia:Primates:Pongidae)
Mueller's Gibbons (Mammalia:Primates:Pongidae)
Lar Gibbons (Mammalia:Primates:Pongidae)
Agile Gibbons (Mammalia:Primates:Pongidae)
Gerbils (Mammalia:Rodentia:Cricetidae)

**Northwestern State University**
**Biology**
**Natchitoches, LA 71497**
CHAIRMAN: Tom Burns 318-357-5323
DEGREES: ENROLLMENT: 1
CONTACT: Dick T. Stalling

Dick T. Stalling Prof.
Univ. of Oklahoma PhD 1977 318-357-6266
Natural Hist/Descriptive Studies
Social Behav-Dominance
Behav Ecol-Habitat Selection
rodent behavioral ecology
Rice Rat (Mammalia:Rodentia:Cricetidae)
Swamp Rabbit (Mammalia:Lagomorpha:Leporidae)
Golden Mouse (Mammalia:Rodentia:Cricetidae)
Crayfish (Crustacea:Decapoda)

Kenneth L. Williams Prof.
Louisiana State Univ. PhD 1970 318-357-6266
Natural Hist/Descriptive Studies
snake biology; snake classification
Snakes (Reptilia:Serpentes)
Lizards (Reptilia:Sauria)
Frogs (Amphibia:Salienta)

**Tulane University**
**Biology**
**New Orleans, LA 70118**
CHAIRMAN: Milton Fingerman 504-865-5546
DEGREES: MS, PhD ENROLLMENT: 0
CONTACT: M. Fingerman or G.E. Gunning

Gerald E. Gunning Prof.
Indiana Univ. PhD 1959 504-865-5546
Behav Ecol
Natural Hist/Descriptive Studies
Sensory Mech
territory, home range and repopulation in freshwater fish populations
Longear Sunfish (Osteichthyes:Perciformes:Centrarchidae)
Bluegill (Osteichthyes:Perciformes:Centrarchidae)
Blacktail Redhorse (Osteichthyes:Perciformes:Catostomidae)
Sharpfin Chubsucker (Osteichthyes:Perciformes:Catostomidae)
American Eel (Osteichthyes:Anguilliformes:Anguillidae)

**Tulane University**
**Psychology**
**New Orleans, LA 70118**
CHAIRMAN: Dachowski 504-865-5331
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: Department Office

T.E. Christenson Assoc. Prof.
Univ. of Calif., Berkeley PhD 1974 504-865-5331
Evolution/Survival Value
Natural Hist/Descriptive Studies
Social Behav
arachnid reproductive strategies
Spiders (Chelicerata:Arachnida:Araneidae)

**University of Southwestern Louisiana**
**Biology**
**Lafayette, LA 70504**
CHAIRMAN: William Reese 318-231-6748
DEGREES: MS, PhD ENROLLMENT: 7
CONTACT: Robert Jaeger (318-231-5235)

Robert G. Jaeger Assoc. Prof.
Univ. of Maryland PhD 1969 318-231-5235
Behav Ecol-Foraging
Behav Ecol-Territoriality
Communication-Chemical
foraging tactics, territorial behavior and
mate choice in salamanders
Red-backed Salamander (Amphibia:Caudata:Plethodontidae)
Frogs (Amphibia:Anura)

## MARYLAND

**Towson State University**
**Biological Sciences**
**Towson, MD 21204**
CHAIRMAN: Donald R. Windler 301-321-3034
DEGREES: MA, MS ENROLLMENT: 8
CONTACT: Don C. Forester or Philip Creighton

Phillip D. Creighton Assoc. Prof.
Colorado State Univ. PhD 1974 301-321-2410
Behav Ecol
Behav Ecol-Foraging
Other-Resource Partitioning
guild structure; nestling energetics; species
coexistence; foraging techniques; time budgeting
Sparrows (Aves:Passeriformes:Fringillidae)
Finches (Aves:Passeriformes:Fringillidae)
Herons (Aves:Ciconiiformes:Areidae)
Egrets (Aves:Ciconiiformes:Ardeidae)
Meadowlarks (Aves:Passeriformes:Icteridae)

Don C. Forester Assoc. Prof.
North Carolina State Univ PhD 1974 301-321-2385
Behav Ecol-Orient/Nav/Migrat/Homing
Communication-Acoustic
Soc Behav-Sex and Reproduction
sexual selection in anurans; parental care in salamanders; chemical communication; homing and orientation in salamanders
Red-spotted Newts (Amphibia:Urodela:Salamandridae)
Mountain Dusky Salamander (Amphibia:Urodela:Plethodontidae)
Spring Peeper (Amphibia:Anura:Hylidae)

Thomas G. Kruggel Asst. Prof.
Wayne State Univ. PhD 1974 301-321-3078
Drug Studies
Social Behav-Other (Altruism)
Learning-Memory
effect of caffeine on learning and memory
Humans (Mammalia:Primates:Hominidae)

A.G. Scarbrough Prof.
Univ. of Illinois PhD 1970 301-321-2394
Behav Ecol-Predator/Prey Interac
Social Behav-Sex and Reproduction
Other-Mate Selection
behavior and taxonomy of asilid flies
Asilid Flies (Insecta:Diptera:Asilidae)
Bee Flies (Insecta:Diptera:Bombyliidae)
Saturniid Moths (Insecta:Lepidoptera:Saturniidae)

Erik P. Scully Asst. Prof.
Univ. Rhode Island PhD 1976 301-321-3012
Behav Ecol
Natural Hist/Descriptive Studies
Social Behav
behavioral ecology and population biology of marine invertebrates; applied statistics
Crustaceans (Crustacea:Decapoda:Paguridae)
Hermit Crabs (Crustacea:Decapoda:Paguridae)

**Towson State University**
**Psychology**
**Towson, MD 21204**
CHAIRMAN: John Webster 301-321-2634
DEGREES: MA, Exp. Psych. ENROLLMENT: 3
CONTACT: Michael H. Figler

Michael H. Figler Prof.
Michigan State Univ. PhD 1970 301-321-3217
Social Behav
Learning
Communication
territoriality, habituation
Convict Cichlids (Osteichthyes:Perciformes:Cichlidae)
Jewel Fish (Osteichthyes:Perciformes:Cichlidae)
Siamese Fighting Fish (Osteichthyes:Perciformes:Anabantidae)

Herbert L. Petri Prof.
Johns Hopkins Univ. PhD 1972 301-321-3064
Motivation/Emotion
Learning-Memory
learned aversions; neuropsychology of memory
Chickens (Aves:Galliformes)
Rats (Mammalia:Rodentia:Muridae)
Rhesus Monkey (Mammalia:Primates:Cercopithecidae)

**University of Maryland**
**Animal Sciences**
**College Park, MD 20742**
CHAIRMAN: D.C. Westhoff 301-454-3926
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: John Vandersall

William Ray Stricklin Assoc. Prof.
Pennsylvania State Univ. PhD 1975 301-454-2060
Social Behav-Social Spacing
Social Behav-Dominance
Applied Ethol-Domestic Animals
individual distance and spacing patterns; farm animal housing design using principles from ethology
Cattle (Mammalia:Artiodactyla:Bovidae)
Swine (Mammalia:Artiodactyla:Suidae)

**University of Maryland**
**Zoology**
**College Park, MD 20742**
CHAIRMAN: John O. Corliss 301-454-3202
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: Director of Graduate Studies

C. Sue Carter Prof.
Univ. of Arkansas PhD 1969
Other-Behav Endocrinol
Endocrine/Hormonal Mech
hormones and behavior in small mammals and humans
Prairie Vole (Mammalia:Rodentia:Cricetidae)
Golden Hamster (Mammalia:Rodentia:Cricetidae)

David W. Inouye Assoc. Prof.
Univ. of North Carolina PhD 1976 301-454-4085
Behav Ecol-Foraging
Behav Ecol-Territoriality
plant-animal interactions; hummingbird ecology; pollination biology
Hummingbird (Aves:Apodiformes)
Butterflies (Insecta:Lepidoptera)
Bees (Insecta:Hymenoptera)

**University of Maryland, Eastern Shore**
**Natural Sciences**
**Princess Anne, MD 21853**
CHAIRMAN: Thomas Hopkins 301-651-2200, ext 314
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Edward V. Ellis or Gian Gupta

Steve Rebach Assoc. Prof.
Univ. of Rhode Island PhD 1970 301-651-2200
Behav Ecol-Orient/Nav/Migrat/Homing
Biological Rhythms
solar and tidal rhythms in marine crustaceans; orientation, migration in marine animals
Crabs (Crustacea:Decapoda)
Cancer Crabs (Crustacea:Decapoda)
Blue Crabs (Crustacea:Decapoda)
Hermit Crabs (Crustacea:Decopoda:Paguridae)

# MASSACHUSETTS

**Boston University**
**Biology**
**Boston, MA 02215**
CHAIRMAN: I.P. Callard 617-353-2432
DEGREES: MA, PhD ENROLLMENT: 20
CONTACT: Christopher Price

Jelle Atema Prof. (Bio, Marine Progr)
Univ. of Michigan PhD 1969 617-548-3705
Sensory Mech-Chemical
Social Behav-Sex and Reproduction
Communication-Chemical
function of chemoreceptor cells and organs in
social and feeding behavior of aquatic animals;
aquatic pheromones
Lobster (Crustacea:Decapoda:Nephropidae)
Catfish (Osteichthyes:Siluriformes:Ictaluridae)
Crayfish (Crustacea:Decapoda:Astacura)

Thomas H. Kunz Prof.
Univ. of Kansas PhD 1971 617-353-2474
Behav Ecol
Social Behav
Natural Hist/Descriptive Studies
Little Brown Bat (Mammalia:Chiroptera:Vespertilionidae)
Big Brown Bat (Mammalia:Chiroptera:Vespertilionidae)
Jamaican Fruit-eating Bat (Mammalia:Chiroptera:Phyllostomidae)
Gervais' Fruit-eating Bat (Mammalia:Chiroptera:Phyllostomidae)

Robert H. Tamarin Prof.
Indiana Univ. PhD 1968 617-353-2462
Social Behav
Behav Genetics
Behav Ecol
population regulation in voles
Voles (Mammalia:Rodentia:Cricetidae)

James Traniello Asst. Prof.
Harvard Univ. PhD 1980 617-353-2832
Social Behav
Behav Ecology
Communication-Chemical
evolution and ecology of social behavior in
insects; chemical communication; foraging; mating systems
Ants (Insecta:Hymenoptera:Formicidae)
Termites (Insecta:Isoptera:Termitidae)
Beetles (Insecta:Coleoptera:Silphidae)

Fred E. Wasserman Asst. Prof.
Univ. of Maryland PhD 1977 617-353-2476
Behav Ecol
Social Behav
Communication
territoriality; acoustic communication; foraging
White-throated Sparrows (Aves:Passeriformes:Emberizidae)
Rufous-sided Towhees (Aves:Passeriformes:Emberizidae)

**Clark University**
**Biology, Psychology**
**Worcester, MA 01610**
CHAIRMAN: John Brink (Biol) 617-793-7517
Seymour Wapner (Psych) 617-793-7265
DEGREES: MA, PhD ENROLLMENT: 1
CONTACT: Nicholas S. Thompson

Donald G. Stein Prof.
Univ. of Oregon PhD 1965 617-793-7250
Neural Mech-Brain Lesions
Learning-Other (Spacial)
Drug Studies
lesion-induced neuroplasticity and recovery of function
Rat (Mammalia:Rodentia:Muridae)

David A. Stevens Prof.
Univ. of Oregon PhD 1965 617-793-7656
Sensory Mech-Chemical
Communication-Chemical
Learning-Discrimination
chemoreception, pheromones; maricing; relative importance of S+ and S-
Rat (Mammalia:Rodentia:Muridae)

Nicholas S. Thompson Assoc. Prof.
Univ. of Calif., Berkeley PhD 1966 617-793-7261
Communication
Social Behav
Evolution/Survival Value
avian communication; dog/human interaction; philosophy of evolution
Crows (Aves:Passeriformes:Corvidae)
Bluejays (Aves:Passeriformes:Corvidae)
Dogs (Mammalia:Carnivora:Canidae)
Bobolinks (Aves:Passeriformes:Icteridae)

**Harvard University**
**Organismic and Evolutionary Biology**
**Cambridge, MA 02138**
CHAIRMAN: R.M. Woollacott 617-495-1755
DEGREES: PhD ENROLLMENT:
CONTACT: M. Reynolds

Bert Holldobler Prof.
Univ. of Frankfurt PhD 1969 617-495-2576
Behav Ecol
Communication-Chemical
insect communication and orientation; behavorial ecology of social insects
Ants (Insecta:Hymenoptera:Formicidae)

Bruce Waldman Asst. Prof.
Cornell University PhD 1983 617-495-9195
Social Behav-Other (Kinship)
Behav Ecol
Communication-Acoustic
ontogenetic and sensory bases of kin recognition; ecological correlates of social organization; reproductive strategies; chemical communication
Frogs (Amphibia:Salientia)
Toads (Amphibia:Salientia)
Fish (Osteichthyes)
Birds (Aves:Galliformes)

Edward O. Wilson Prof.
Harvard Univ. PhD 1955 617-495-2315
Social Behav
Communication
Evolution/Survival Value
kin recognition and social organization in cold-blooded vertebrates; social behavior in insects, especially ants.
Ants (Insecta:Hymenoptera:Formicidae)

**University of Massachusetts**
**Forestry and Wildlife Management**
**Amherst, MA 01003**
CHAIRMAN: Donald Mader 413-545-2257
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Michael Ross

Joseph S. Larson Prof.
VPI PhD 1966 413-545-2842
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Social Behav
social behavior and activity patterns of beaver
Beaver (Mammalia:Rodentia:Castoridae)

**University of Massachusetts**
**Psychology, Neuroscience and Behavior Division**
**Amherst, MA 01003**
CHAIRMAN: Seymour Berger 413-545-2387
DEGREES: PhD ENROLLMENT: 20
CONTACT: John Donahoe, Head of Neuro/Behav;or Linda Perry

John J.B. Ayres Prof.
Univ. of Kentucky PhD 1965 413-545-0348
Learning
Learning-Other (Pavlovian Condit)
pavlovian control procedures; conditioned
inhibition; backward conditioning; blocking
Rats (Mammalia:Rodentia:Muridae)

Jeffrey D. Blaustein Assoc. Prof.
Univ. of Massachusetts PhD 1977 413-545-1524
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Motivation/Emotion
cellular mechanisms of neural hormone action;
neuroendocrinology; hormone-neurotransmitter interactions
Rats (Mammalia:Rodentia:Muridae)
Guinea Pigs (Mammalia:Rodentia:Caviidae)

Neil R. Carlson Prof.
Univ. of Illinois PhD 1966 413-545-0166
Neural Mech
limbic system mechanisms of species-typical
behavior; neural mechanisms of kindling
House Mouse (Mammalia:Rodentia:Muridae)
Domestic Cat (Mammalia:Carnivora:Felidae)

John W. Donahoe Prof.
Univ. of Kentucky PhD 1958 413-545-2183
Learning-Reinforcement
Learning-Discrimination
Evolution/Survival Value
principle of reinforcement; neural mechanisms of learning
Pigeon (Aves:Columbiformes:Columbidae)

Katherine V. Fite Prof.
Brown Univ. PhD 1969 413-545-0351
Sensory Mech-Vision
Neural Mech
Other-Comparative Neurobiology
neuroanatomical, neurophysiological, neurobehavioral analyses of non-mammalian visual systems and
visuomotor behaviors, retinal specializations, etc
Leopard Frog (Amphibia:Anura:Ranaidae)
Domestic Chicken (Aves:Galliformes)
Anolis Lizard (Reptilia:Iguanidae)

Richard Gold Prof.
Univ. of Chicago PhD 1966 413-545-0934
Feeding/Ingestion
Endocrine/Hormonal Mech
hypothalamus hyphyso-adrenal involvement in appetite regulation
Albino Rats (Mammalia:Rodentia:Muridae)

Paul Herron Asst. Prof.
Michigan State Univ. PhD 1980 413-545-0663
Sensory Mech-Other (Somatosensory)
neuroanatomy and neurophysiology
Rats (Mammalia:Rodentia:Muridae)
Raccoons (Mammalia:Rodentia:Procyonidae)

Alan C. Kamil Prof.
Univ. of Wisconsin PhD 1967 413-545-0255
Behav Ecol-Foraging
Evolution/Survival Value
Learning-Other (Evolution)
cryptic prey detection; prey depletion; caching and recovery
Blue Jay (Aves:Passeriformes:Corvidae)
Clark's Nutcracker (Aves:Passeriformes:Corvidae)

Jerrold S. Meyer Assoc. Prof.
Univ. of Wisconsin PhD 1974 413-545-2168
Endocrine/Hormonal Mech
Drug Studies
Development/Ontogeny
neuroendocrinology and neurochemistry of adrenal steroids
Albino Rats (Mammalia:Rodentia:Muridae)
Voles (Mammalia:Rodentia:Cricetidae)
Rhesus Macaques (Mammalia:Primates:Cercopithecidae)

John W. Moore Prof.
Indiana Univ. PhD 1962 413-545-0569
Learning-Other (Classic Condit)
Neural Mech-Neurophysiol Correlates
neurobiology of learning and memory; learning theory
Rabbits (Mammalia:Lagomorpha:Leporidae)

Melinda Novak Assoc. Prof.
Univ. of Wisconsin PhD 1973 413-545-0167
Social Behav-Parental/Filial
Development/Ontogeny
parental behavior, pup development, social organization in microtine rodents; social development and social organization in rhesus monkeys
Rhesus Monkey (Mammalia:Primates:Cercopithecidae)
Meadow Vole (Mammalia:Rodentia:Cricetidae)
Pine Vole (Mammalia:Rodentia:Cricetidae)
Prairie Vole (Mammalia:Rodentia:Cricetidae)
Montane Vole (Mammalia:Rodentia:Cricetidae)

George N. Wade Prof.
Univ. of Calif., Berkeley PhD 1970 413-545-0772
Endocrine/Hormonal Mech
Feeding/Ingestion
Biological Rhythms
hormones and behavior; animal models of obesity
Hamsters (Mammalia:Rodentia:Cricetidae)

**University of Massachusetts**
**Zoology**
**AMherst, MA 01003**
CHAIRMAN: M.S. Kaulenas 413-545-2602
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: M.S. Kaulenas, Dept. Chairman

Donald E. Kroodsma Assoc.Prof.
Oregon State Univ. PhD 1972 413-545-0068
Communication-Acoustic
Development/Ontogeny
development, function, evolution of vocal signals in birds
Birds (Aves:Passeriformes:Parulidae)
Birds (Aves:Passeriformes:Troglodytidae)
Birds (Aves:Passeriformes:Tyrannidae)
Birds (Aves:Passeriformes:Emberizidae)

Theodore D. Sargent Prof.
Univ. of Wisconsin PhD 1963 413-545-0847
Behav Ecol-Predator/Prey Interact
Evolution/Survival Value
Natural Hist/Descriptive Studies
anti-predator adaptations (crypsis, startle) of insects
Catocala Moths (Insecta:Lepidoptera:Noctuidae)

Alastair M. Stuart Prof.
Harvard Univ. PhD 1961 413-545-0975
Communication-Chemical
Endocrine/Hormonal Mech
Behav Ecol
communication (chemical and acoustic) in Isoptera;
behavioral psychology of caste determination;
orientation; sensory mechanisms; development
Termites (Insecta:Isoptera)

**University of Massachusetts, Harbor Campus**
**Biology Department**
**Boston, MA 02125**
CHAIRMAN: Christine Kibel 617-929-8400
DEGREES: MS ENROLLMENT:
CONTACT: K. Bawa

John E. Ebersole Assoc. Prof.
Univ. of Calif., Los Angeles PhD 1977 617-929-8384
Behav Ecol
Evolution/Survival Value
territoriality; competition; foraging strategies
Damselfish (Osteichthyes:Perciformes:Pomacentridae)
Deermouse (Mammalia:Rodentia:Cricetidae)
Hermit Crabs (Crustacea:Decapoda:Paguridae)

Jeremy J. Hatch Assoc. Prof.
Duke Univ. PhD 1967 617-929-8392
Behav Ecol
Evolution/Survival Value
Locomotion
foraging; habitat selection; colonial breeding
Common Tern (Aves:Charadriiformes:Sterninae)
D.C. Comorant (Aves:Pelecaniformes:Phalacrocoracidae)

Nevin Weaver Prof.
Texas A&M PhD 1953 617-929-8382
Social Behav
Communication
Communication-Chemical
chemical communication in honey bees, and in stingless bees
Honey Bee (Insecta:Hymenoptera:Apidae)
Stingless Bees (Insecta:Hymenoptera:Apidae)

## MICHIGAN

**Central Michigan University**
**Biology**
**Mt. Pleasant, MI 48859**
CHAIRMAN: Lawrence Koehler 517-774-3227
DEGREES: MS ENROLLMENT: 10
CONTACT: Michael Hamas

James C. Gillingham Prof.
Univ. of Oklahoma PhD 1976 517-774-3291
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
Social Behav-Sex and Reproduction
foraging behavior of insular snakes;
costs of territoriality; predatory risk
Puerto Rican Snake (Reptilia:Serpentes:Colubridae)
Rattlesnakes (Reptilia:Serpentes:Viperidae)
Puerto Rican Boa (Reptilia:Serpentes:Colubridae)
Pond Turtles (Reptilia:Chelonia:Emydidae)

Michael J. Hamas Assoc. Prof.
Univ. of MInnesota PhD 1975 517-774-3185
Behav Ecol-Habitat Selection
Social Behav-Sex and Reproduction
Development/Ontogeny
nest-site selection; behavioral thermoregulation
in young birds; thermoregulator development
Belted Kingfisher (Aves:Coraciiformes:Alcedinidae)
Eastern Kingbird (Aves:Passeriformes:Tyrannidae)
Spotted Sandpiper (Aves:Charadriiformes:Scolopacidae)
Mt. Plover (Aves:Charadriiformes:Charadriidae)
Cardinal (Aves:Passeriformes:Emberizidae)

Raymond E. Hampton Prof.
Univ. of Wisconsin PhD 1960 517-774-3909
Social Behav-Sex and Reproduction
Behav Ecol-Predator/Prey Interact
Social Behav-Aggression
aggressive behavior, mate selection, and effects
of predation on these aspects of behavior in fish
Fish (Osteichthyes)

**Michigan State University**
**Zoology Department**
**East Lansing, MI 48824**
CHAIRMAN: William Cooper 517-355-4640
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Lynwood Clemens

Martin Balaban Prof. (Zoology)
Univ. of Chicago PhD 1959 517-353-9473
Development/Ontogeny
Neural Mech
Sensory Mech
ingestive regulation

Donald L. Beaver Assoc. Prof. (Zoology)
Univ. of California PhD 1972
Behav Ecol-Territoriality
Behav Ecol-Foraging
population biology of birds

Lynwood G. Clemens Prof. (Zoology, Psychol)
Univ. of California PhD 1966 517-353-1727
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
Neural Mech
hormones and behavior

John I. Johnson Prof. (Anatomy)
Purdue Univ. PhD 517-353-3852
Development/Ontogeny
Neural Mech
Sensory Mech
mammalian brain evolution

Antonio Nunez Assoc. Prof. (Psychology)
Florida State Univ. PhD 1977 517-353-9066
Neural Mech
Biological Rhythms
Sensory Mech
chronobiology

Gail Richmond Research Asst. Prof.
Univ. of Connecticut PhD 1982 517-353-9676
Neural Mech
Social Behav
Development/Ontogeny
neurobiology and behavior

**University of Michigan**
**Biological Sciences**
**Ann Arbor, MI 48109**
CHAIRMAN: M.M. Martin
DEGREES: ENROLLMENT: 15
CONTACT: Graduate Secretary

Richard D. Alexander Prof.
Ohio State Univ PhD 1956 313-764-9520
Evolution/Survival Value
Social Behav
Human Ethology
acoustical communication and systematics of Orthoptera; Darwinism and human behavior
Crickets (Insecta:Orthoptera:Gryllidae)
Katydids (Insecta:Orthoptera:Tettigoniidae)
Cicadas (Insecta:Homoptera:Cicadidae)
Humans (Mammalia:Primates:Homidae)
Naked Mole Rats (Mammalia:Rodentia:Bathyurgidae)

Brian A. Hazlett Prof.
Harvard Univ. PhD 1964 313-764-1462
Communication-Visual
Social Behav-Aggression
Behav Ecol-Other (Mutualisms)
hermit crab and crayfish behavioral ecology
Hermit Crabs (Crustacea:Decapoda:Paguridae)
Crayfish (Crustacea:Decapoda:Astracidae)

**University of Michigan**
**Psychology**
**Ann Arbor, MI 48109**
CHAIRMAN: Al Cain 313-764-7429
DEGREES: PhD ENROLLMENT: 2
CONTACT: Elliot Valenstein, Chairman, Psychobiology Program

Warren Holmes Asst. Prof.
Univ. of Washington PhD 1979 313-764-6392
Behav Ecol
Evolution/Survival Value
Social Behav
social interactions and kinship; kin recognition; timing and reproduction; foraging behavior
Ground Squirrels (Mammalia:Rodentia:Sciuridae)

## MINNESOTA

**Mankato State University**
**Biological Sciences**
**Mankato, MN 56001**
CHAIRMAN: John E. Frey 507-389-2786
DEGREES: ENROLLMENT: 4
CONTACT: Merrill J. Frydendall

Merrill J. Frydendall Prof.
Utah Sate Univ. PhD 1966 507-389-2540
Behav Ecol
Applied Ethol-Wildlife
Social Behav-Dominance
foraging; territoriality; activity patterns
Eastern Bluebird (Aves:Passeriformes:Turdidae)
Yellow Warbler (Aves:Passeriformes:Parulidae)
Gray Partridge (Aves:Galliformes:Phasianidae)
White-footed Mice (Mammalia:Rodentia:Cricetidae)
White-tailed Deer (Mammalia:Artiodactyla:Cervidae)

**University of Minnesota**
**Ecology and Behavioral Biology**
**Minneapolis, MN 55455**
CHAIRMAN: E. Cushing 612-376-5177
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Director of Graduate Studies

Peter A. Abrams Assoc. Prof.
Univ. of British Columbia PhD 1975 612-376-5504
Behav Ecol
Behav Ecol-Foraging
Social Behav
foraging theory; behavioral basis of intra- and interspecific competition
Hermit Crabs (Crustacea:Decapoda:Paguridae)
Hermit Crabs (Crustacea:Decapoda:Diogenidae)
Hermit Crabs (Crustacea:Decapoda:Coenobitadae)

Franklin Barnwell Prof.
Northwestern Univ. PhD 1965 612-376-7363
Biological Rhythms
biological rhythms; tidal rhythms
Fiddler Crabs (Crustacea:Decapoda:Ocypodidae)

Frank McKinney Prof.
Univ. of Bristol PhD 1953 612-373-5979
Social Behav-Sex and Reproduction
Evolution/Survival Value
Communication
evolution of mating systems and communication methods
Waterfowl (Aves:Anseriformes)

Craig Packer Asst. Prof.
Univ. of Sussex PhD 1977 612-376-7407
Behav Ecol
Social Behav
Social Behav-Sex and Reproduction
evolution of cooperative behavior; sexual selection
Lions (Mammalia:Carnivora:Felidae)
Baboons (Mammalia:Primates:Cercopithecidae)
African Antelopes (Mammalia:Artiodactyla:Bovidae)

Richard E. Phillips Prof.
Cornell Univ. PhD 1959 612-376-8768
Communication-Acoustic
Motivation/Emotion
Neural Mech-Brain Lesions
physiology of behavior; neural mechanisms-brain stimulation and pharmacology
Domestic Fowl (Aves:Galliformes)
Ducks (Aves:Anseriformes)
Plovers (Aves:Charadriiformes)
Squirrels (Mammalia:Rodentia:Sciruidae)

Anne E. Pusey Asst. Prof.
Stanford Univ. PhD 1978 612-376-7407
Development/Ontogeny
Behav Ecol
Social Behav-Sex and Reproduction
parent-offspring relationships; hormonal aspects of reproductive behavior; evolution of dispersal
Lions (Mammalia:Carnivora:Felidae)
Chimpanzees (Mammalia:Primates:Anthropoidae)

## MISSISSIPPI

**Mississippi State University**
**Wildlife and Fisheries**
**Mississippi State, MS 39762**
CHAIRMAN: Dale Arner
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Ernest A. Gluesing, 601-325-3133

Ernest A. Gluesing Asst. Prof.
Utah State Univ. PhD 1977 601-325-3133
Behav Ecol
Applied Ethol-Wildlife
Social Behav-Sex and Reproduction
predator/prey interactions; foraging behavior;
wildlife social behavior; ontogeny of behavior
Bobcats (Mammalia:Carnivora:Felidae)
Foxes (Mammalia:Carnivora:Canidae)
Coyotes (Mammalia:Carnivora:Canidae)
Quail (Aves:Galliformes:Phasianidae)
Turkeys (Aves:Galliformes:Phasianidae)

**University of Southern Mississippi**
**Biological Sciences**
**Hattiesburg, MS 39406-5018**
CHAIRMAN: B. J. Martin 601-266-4748
DEGREES: MS, PhD ENROLLMENT: 8
CONTACT: B. J. Martin or F. R. Moore

Frank R. Moore Assoc. Prof.
Clemson Univ. PhD 1978 601-266-4929
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech
Social Behav
orientation/navigation; homing behavior; en route
behavioral ecology of migrants
Migratory Sparrows (Aves:Passeriformes:Emberizidae)
Migratory Warblers (Aves:Passeriformes:Parulidae)
Gulls (Aves:Charadriiformes:Laridae)
Terns (Aves:Charadriiformes:Laridae)

Robert S. Prezant Asst. Prof.
Univ. of Delaware PhD 1980 601-266-4751
Behav Ecol-Predator/Prey Interact
Evolution/Survival Value
Natural Hist/Descriptive Studies
antipredation mechanisms; mucin functionality;
dispersal mechanisms; feeding behavior
Clams (Mollusca:Bivalvia:Lyonsiidae)
Clams (Mollusca:Bivalvia:Sphaeriidae)
Snails (Mollusca:Gastropoda:Muricidae)
Segmented Worms (Annelida:Polychaeta:Phyllocidae)

## MISSOURI

**Central Missouri State University**
**Biology**
**Warrensburg, MO 64093**
CHAIRMAN: F. Ray Voorhees 816-429-4933
DEGREES: MS ENROLLMENT: 2
CONTACT: John Belshe

Jan A. Randall Assoc. Prof.
Washington State Univ. PhD 1977 816-429-4838
Communication
Social Behav
Behav Ecol
communication and social organization in sympatric
species of kangaroo rat; olfaction and foot-drumming
Bannertail Kangaroo Rat (Mammalia:Rodentia:Heteromyidae)
Merriam's Kangaroo Rat (Mammalia:Rodentia:Heteromyidae)
Voles (Mammalia:Rodentia:Cricetidae)

**University of Missouri, Columbia**
**Division of Biological Sciences**
**Columbia, MO 65211**
CHAIRMAN: Louis A. Sherman 314-882-6659
DEGREES: MA, PhD ENROLLMENT: 12
CONTACT: John David, Graduate Admissions 314-882-3315

Felix Breden Asst. Prof.
Univ. of Chicago PhD 1982 314-882-2688
Methodol-Theoretical Models
Social Behav
empirical and theoretical studies of group and kin selection
Trinidad Guppy (Osteichthyes:Cypriniformes:Poeciliidae)
Chrysomelid Beetles (Insecta:Coleoptera:Chrysomelidae)

James E. Carrel Assoc. Prof.
Cornell Univ. PhD 1971 314-882-3037
Communication-Chemical
biosynthesis and defensive use of cantharidins; insect behavior; spider behavior
Wolf Spiders (Arachnida:Aranae:Lycosidae)
Blister Beetles (Insecta:Coleoptera:Meloidae)

John Faaborg Assoc. Prof.
Princeton Univ. PhD 1975 314-882-7541
Behav Ecol
behavioral aspects of avian community structure; polyandry
Galapagos Hawks (Aves:Falconiformes)
West Indian Birds (Aves)

H. Carl Gerhardt Prof.
Univ. of Texas PhD 1970 314-882-7219
Communication-Auditory
Social Behav
neural and ecological constraints on auditory communication in anurans
Tree Frogs (Amphibia:Anura)

Glenn Hausfater Prof.
Univ. of Chicago PhD 1974 314-882-2818
Social Behav
Methodol-Theoretical Models
mating systems evolution; infanticide; behavioral aspects of parasitology; computer simulations
Yellow Baboons (Mammalia:Primates:Cercopithecidae)
Tree Frogs (Amphibia:Anura)

Phillip H.-S. Jen Prof.
Washington Univ. PhD 1974 314-882-7479
Neural Mech-Neurophysiol Corrlates
Sensory Mech-Audition
neurophysiological and behavioral studies of bat echolocation
Bats (Mammalia:Chiroptera)

Joel A. Maruniak Asst. Prof.
Univ. of Texas PhD 1976 314-882-2725
Sensory Mech-Chemical
Neurophysiological and behavioral studies of the mammalian olfactory system
Mice (Mammalia:Rodentia:Muridae)
Rats (Mammalia:Rodentia:Muridae)

William S. Stark Assoc. Prof.
Univ. of Wisconsin PhD 1973 314-882-7473
Sensory Mech-Vision
neural and genetic studies of the invertebrate eye
utilizing visual system mutations in Drosophila
Fruit Flies (Insecta:Diptera:Drosophilidae)

John W. Twente Assoc. Prof.
Univ. of Michigan PhD 1954 314-882-2663
Endocrine/Hormonal Mech
Sleep
physiological ecology; hibernation; circadian rhythms
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Bats (Mammalia:Chiroptera)

Frederick S. Vom Saal Assoc. Prof.
Rutgers Univ. PhD 1976 314-882-4367
Endocrine/Hormonal Mech
Neural Mech-Other (Development)
hormones and behavior; interuterine position effects
on behavior and neural development; infanticide
Mice (Mammalia:Rodentia:Muridae)

**University of Missouri, Columbia**
**Department of Psychology**
**Columbia, MO 65211**
CHAIRMAN: Sam C. Brown (until May, 1985) 882-3675
DEGREES: PhD ENROLLMENT: 3
CONTACT: Dennis C. Wright or Charles H. Brown

Dennis Wright Assoc. Prof.
Univ. of Calif., Berkeley PhD 1970 882-3675
Learning
Neural Mech
Drug Studies
learning and memory; psychopharmacology; recovery of
function
Rat (Mammalia:Rodentia:Muridae)
Mouse (Mammalia:Roentia:Muridae)

**University of Missouri-St. Louis**
**Biology**
**St.Louis, MO 63121**
CHAIRMAN: Charles Granger 314-553-6220
DEGREES: MS ENROLLMENT:
CONTACT: Zuleyma T. Halpin

Zuleyma T. Halpin Assoc. Prof.
Univ. of Calif., Berkeley PhD 1974 314-553-6498
Communication-Chemical
Social Behav
social odors in mammals, reptiles; individual odors;
kin recognition
Rodents (Mammalia:Rodentia:Sciuridae)
Rodents (Mammalia:Rodentia:Cricetidae)
Garter Snakes (Reptilia:Serpentes:Colubridae)

## MONTANA

**University of Montana**
**Zoology**
**Missoula, MT 59812**
CHAIRMAN: 406-243-5122
DEGREES: ENROLLMENT:
CONTACT: Chairman, Graduate Admissions

Richard L. Hutto Assoc. Prof.
Univ. of Calif., Los Angeles PhD
Behav Ecol
Natural Hist/Descriptive Studies
Behav Ecol-Habitat Selection
competition and coexistence; resource partitioning
Song Birds (Aves:Passeriformes)
Wood Warblers (Aves:Passeriformes:Parulidae)
Hummingbirds (Aves:Apodiformes:Trochilidae)
Vireos (Aves:Passeriformes:Vireonidae)

Donald A. Jenni Prof.
Univ. of Florida PhD 1961 406-243-2393
Behav Ecol
Natural Hist/Descriptive Studies
Social Behav
evolution and adaptiveness of non-monogamous
mating systems; descriptive and experimental field work
Jacanas (Aves:Charadriiformes:Jacanidae)
Curlews (Aves:Charadriiformes:Numeniedae)
Big Horn Sheep (Mammalia:Artiodactyla:Bovidae)
Deer (Mammalia:Artiodactyla:Cervidae)
Grouse (Aves:Galliformes:Tetraonidae)

Lee H. Metzger Prof.
Univ. of Michigan PhD 1968 406-243-5122
Applied Ethol-Wildlife
Methodol-Theoretical Models
Behav Ecol-Predator/Prey Interact
behavioral ecology
Deer (Mammalia:Artiodactyla:Cervidae)
Bear (Mammalia:Carnivora:Ursidae)
Mice (Mammalia:Rodentia:Cricetidae)

Philip J. Motta Asst. Prof.
Univ. of Hawaii PhD 1980 406-243-5823
Feeding/Ingestion
Behav Ecol
foraging and feeding behavior of fishes;
predator/prey interactions (marine)
Butterflyfish (Osteichthyes:Perciformes:Chaetodontidae)
Squawfish/Minnows (Osteichthyes:Cypriniformes:Cyprinidae)

## NEBRASKA

**Creighton University**
**Biology**
**Omaha, NE 68178**
CHAIRMAN: Allen B. Schlesinger 402-280-2811
DEGREES: MSc ENROLLMENT: 2
CONTACT: John F. Schalles, Biology Dept.

Theodore Burk Asst. Prof.
Univ. of Oxford PhD 1979 402-280-2156
Behav Ecol-Territoriality
Social Behav-Aggression
Social Behav-Sex and Reproduction
insect social behavior; communication; sexual selection
Field Crickets (Insecta:Orthoptera:Gryllidae)
Cone-headed Katydids (Insecta:Orthoptera:Tettigoniidae)
Fireflies (Insecta:Coleoptera:Lampyridae)
Acoustic Parasitic Flies (Insecta:Diptera:Tachinidae)
Black-tailed Prarie Dogs (Mammalia:Rodentia:Sciuridae)

**University of Nebraska, Lincoln**
**Psychology**
**Lincoln, NE 68588**
CHAIRMAN: Herbert Howe 402-472-3721/3234
DEGREES: MA, PhD ENROLLMENT: 2
CONTACT: Ms. Jane Mooberry, Graduate Secretary

Donald D. Jensen Prof.
Yale Univ. PhD 1958 402-472-3144
Evolution/Survival Value
Methodol
Applied Ethol-Domestic
evolution of behavior in lower organisms
Ribbon Worms (Nemertina)

Daniel W. Leger Asst. Prof.
Univ. of California, Davis PhD 1980 402-472-3154
Behav Ecol-Predator/Prey Interact
Communication-Acoustic
Social Behav-Sex and Reproduction
alarm calling by ground squirrels; mate choice in guppies; human reproduction
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Guppy(Osteichthyes:Atheroniformes:Poeciliidae)
Human (Mammalia:Primates:Homindae)

**University of Nebraska, Omaha**
**Psychology**
**Omaha, NE 68182**
CHAIRMAN: Kenneth Deffenbacker 402-554-2592
DEGREES: MA, PhD ENROLLMENT: 4
CONTACT: Raymond Millimet

Jeffrey A. French Asst. Prof.
Univ. of Wisconsin, Madison PhD 1982 402-554-2331
Social Behav-Sex and Reproduction
Communication-Acoustic
Endocrine/Hormonal Mech
social regulation of fertility; sociosexual behavior; captive propagation of endangered species; chemical communication
Golden Lion Tamarin (Mammalia:Primates:Callithricidae)
Mongolian Gerbil (Mammalia:Rodentia:Cricetidae)
Prairie Vole (Mammalia:Rodentia:Muridae)

# NEW HAMPSHIRE

**Dartmouth College**
**Biological Sciences**
**Hanover, NH 03755**
CHAIRMAN: Richard T. Holmes 603-646-2078
DEGREES: PhD ENROLLMENT: 4-6
CONTACT: Richard T. Holmes

Carol L. Folt Asst. Prof.
Univ. of California, Davis PhD 1982 603-646-3107
Behav Ecol-Foraging
Behav Ecol-Predator/Prey
Learning
aquatic ecology, behavior of zooplankton and fish
Cladocerans (Crustacea)
Copepods (Crustacea)
Chaoborus (Insecta:Diptera)
Bluegill Sunfish (Osteichthyes:Perciformes:Centrarchidae)
Pumpkinseeds (Osteichthyes:Perciformes:Centrarchidae)

Richard T. Holmes Prof.
Univ of California-Berkeley PhD 1964 603-646-2078
Behav Ecol
Social Behav
foraging ecology, habitat selection and social behavior of birds
Shorebirds (Aves:Charadriiformes)
Woodland Songbirds (Aves:Passiformes)

**Dartmouth College**
**Psychology**
**Honover, NH 03755**
CHAIRMAN: Rogers Elliott 603-646-3181
DEGREES: PhD ENROLLMENT: 5

Catherine P. Cramer Asst. Prof.
Johns Hopkins Univ. PhD 1982 603-646-3459
Development/Ontogeny
Feeding/Ingestion
Social Behav-Parental/Filial
developmental psychobiology of ingestion, and suckling; mother-offspring interaction; weaning
Rats (Mammalia:Rodentia:Muridae)

Michael S. Famselow Asst. Prof.
Univ. of Washington PhD 1980
Learning-Avoidance
Learning-Discrimination
Motivation/Emotion
defensive behavior; learning and endogenous mechanisms
Rats (Mammalia:Rodentia:Muridae)

**University of New Hampshire**
**Psychology**
**Durham, NH 03824**
CHAIRMAN: E. Hagstrom 603-862-2360
DEGREES: PhD ENROLLMENT: 2
CONTACT: William Baum

William Baum Assoc. Prof.
Harvard Univ. PhD 1966 603-862-2360
Behav Ecol-Foraging
Learning-Complex
Learning-Reinforcement
foraging; choice; signal detection
Pigeon (Aves:Columbiformes)
Rat (Mammalia:Rodentia:Muridae)

J.A. Nevin Prof.
Columbia Univ. PhD 1963 603-862-2360
Behav Ecol-Foraging
Learning-Complex
Learning-Reinforcement
foraging; choice; signal detection
Pigeon (Aves:Columbiformes)
Rat (Mammalia:Rodentia:Muridae)

**University of New Hampshire**
**Zoology Department**
**Durham, NH 03824**
CHAIRMAN: John E. Foret 603-862-2100
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Edward N. Francq

Edward N. Franq Assoc. Prof.
Pennsylvania State Univ. PhD 1967 603-862-2100
Behav Ecol-Habitat Selection
Behav Ecol-Orient/Nav/Migrat/Homing
Evolution/Survival Value
adaptations to arboreal behavior in Peromyscus;
competition and behavioral displacement in rodents
White-footed Mice (Mammalia:Rodentia:Cricetidae)
Southern Flying Squirrel (Mammalia:Rodentia:Sciuridae)
Field Vole (Mammalia:Rodentia:Cricetidae)
Sea Urchins (Echinodermata:Echinoidea)
Horseshoe Crabs (Crustacea:Decapoda:Merostomata)

Larry G. Harris Assoc. Prof.
Univ. of Calif., Berkeley PhD 1970 603-862-2100
Behav Ecol-Predator/Prey Interact
analysis of invertebrate associations; behavior
of marine benthic organisms

Winsor H. Watson, III Asst. Prof.
Univ. of Massachusetts PhD 1978 603-862-2100
Neural Mech-Neurophysiol Correlates
gill cleaning behavior on Limulus

# NEW JERSEY

**Rutgers University**
**Biological Sciences**
**New Brunswick, NJ 08903**
CHAIRMAN: J.W.C. Bird 201-932-3970
DEGREES: MS,PhD ENROLLMENT: 20
CONTACT: Ecol: J. Burger, Physiol/Neuro:C. Page

Ronald J. Barfield Prof.
Univ. of Calif., LA PhD 1965 201-932-4270
Communication-Acoustic
Endocrine/Hormonal Mech
Social Behav
neuroendocrine regulation of sexual behavior/
aggression; ultrasonic vocalization in rat social behavior
Rat (Mammalia:Rodentia:Muridae)

Joanna Burger Prof.
Univ. of Minnesota PhD 1972 201-932-4318
Behav Ecol
Evolution/Survival Value
Social Behav
territoriality; habitat selection; parental;
dominance; birds
Gulls/Terns (Aves:Charadriiformes)
Shorebirds (Aves:Charadriiformes)
Herons (Aves:Ciconiiformes:Ardeidae)
Snakes (Reptilia:Serpentes)
Turtles (Reptilia:Chelonia)

**Rutgers-State University of New Jersey, Newark**
**Zoology and Physiology**
**Newark, NJ 07102**
CHAIRMAN: David Kafkewicz 201-648-5347
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Daniel Wilhoft

Robert C. Lederhouse Asst. Prof.
Cornell Univ. PhD 1978 201-648-5189
Behav Ecol
Evolution/Survival Value
Social Behav
mating behavior of butterflies; thermoregulation
of beetles; foraging behavior of caterpillars
Butterflies (Insecta:Lepidoptera)
Beetles (Insecta:Coleoptera)

Douglas W. Morrison Assoc. Prof.
Cornell Univ. PhD 1975 201-648-5347
Behav Ecol-Foraging
Social Behav-Sex and Reproduction
Evolution/Survival Value
social aspects of roosting and foraging behavior
in starlings and tropical fruit bats
Bats (Mammalia:Chiroptera)
Starlings (Aves:Passeriformes:Sturnidae)

**Rutgers-State University of New Jersey, Newark**
**Institute of Animal Behavior, Department of Psychology**
**Newark, NJ 07102**
CHAIRMAN: Inst Dir: J.S. Rosenblatt 201-648-5850
Dept Chair: E. W. Hansen 201-648-5440
DEGREES: PhD ENROLLMENT:
CONTACT: Jay S. Rosenblatt

Colin G. Beer Prof. II
Oxford Univ. PhD 19600 201-648-5440
Communication-Acoustic
Natural Hist/Descriptive Studies
Development/Ontogeny
communication and social development of gulls
Black-headed Gull (Aves:Charadriiformes:Laridae)
Black-billed Gull (Aves:Charadriiformes:Laridae)
Laughing Gull (Aves:Charadriiformes:Laridae)

Mei-Fang Cheng Prof.
Bryn Mawr College PhD 1965 201-648-5852
Endocrine/Hormonal Mech
Neural Mech
Social Behav-Other (Communication)
neural and endocrine bases of reproductive
behavior in birds
Ring Doves (Aves:Columbiformes:Columbidae)

Harvey H. Feder Prof. II
Univ. of Oregon, Med. Sch. PhD 1966 201-648-5858
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Development/Ontogeny
role of steroid hormone-monoamine interactions in
organization and activation of sexual behavior
Guinea Pigs (Mammalia:Rodentia:Caviidae)

Ernst W. Hansen Prof.
Univ. of Wisconsin PhD 1964 201-648-5855
Development/Ontogeny
Social Behav
Methodol
development of social behavior in primates
Rhesus Macaque (Mammalia:Primates:Ceropithecidae)
Human Children (Mammalia:Primates:Hominidae)

Barry R. Komisaruk Prof. II
Rutgers Univ. PhD 1965 201-648-5853
Neural Mech
Endocrine/Hormonal Mech
Drug Studies
neuroendocrine basis of reproductive behavior and
pain modulation
Laboratory Rat (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

Sarah Lenington Asst. Prof.
Univ. of Chicago PhD 1977 201-648-5856
Behav Genetics
Evolution/Survival Value
Social Behav
genetics and behavior of wild house mice
Mice (Mammalia:Rodentia:Muridae)

Anne D. Mayer Assc. Res. Spec
Columbia Univ. PhD 1967 201-648-5862
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
Development/Ontogeny
maternal behavior including maternal aggression
Laboratory Rat (Mammalia:Rodentia:Muridae)

Christian P. Reboulleau Asst. Prof.
Univ. of Med./Den. of NJ PhD 1982 201-648-5672
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Development/Ontogeny
role of steroid hormone-monoamine interactions in organization and activation of sexual behavior
Guinea Pigs (Mammalia:Rodentia:Caviidae)

Jay S. Rosenblatt Prof.
New York Univ. PhD 1953 201-648-5850
Social Behav-Parental/Filial
Endocrine/Hormonal Mech
Development/Ontogeny
hormonal and non-hormonal influences on parental care; behavioral development, suckling, home orientation in altricial mammalian young
Albino Rat (Mammalia:Rodentia:Muridae)
Cat (Mammalia:Carnivora:Felidae)

Harold I. Siegel Assoc. Prof.
Rutgers Univ. PhD 1974 201-648-5399
Social Behav-Parental/Filial
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
hormonal basis of maternal, sexual, and aggressive behavior
Albino Rat (Mammalia:Rodentia:Muridae)
Golden Hamster (Mammalia:Rodentia:Cricetidae)

## **UMDNJ-Rutgers Medical School**
## **Department of Environmental and Community Medicine**
**Piscataway, NJ 08854**

Michael Gochfeld Assoc. Prof.
City Univ. of New York MD, PhD 1975 201-463-4771
Behav Ecol
Communication
Learning
behavioral development and behavioral toxicology; habitat selection; sociality
Gulls (Aves:Charadriiformes:Laridae)
Terns (Aves:Charadriiformes:Laridae)
Black Skimmers (Aves:Charadriiformes:Laridae)
Pine Snakes (Reptilia:Serpentes:Colubridae)
Humans (Mammalia:Primates:Hominidae)

# NEW MEXICO

**New Mexico State University**
**Biology**
**Las Cruces, NM 88003-0032**
CHAIRMAN: Gary L. Cunningham 505-646-3611
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: G.L. Cunningham

Naida Zucker Prof.
Univ. of Illinois PhD 1973 505-646-1200
Social Behav-Sex and Reproduction
Social Behav-Social Spacing
Behav Ecol-Territoriality
environmental influences on social behavior; evolution of mating systems; territoriality; field observations/experimental manipulation of lizards
Tree Lizards (Reptilia:Sauria:Iguanidae)
Fiddler Crabs (Crustacea:Decapoda)

Ralph J. Raitt Prof.
Univ. of Calif., Berkeley PhD 1959 505-646-4430
Behav Ecol
Evolution/Survival Value
Social Behav-Sex and Reproduction
communal breeding; foraging
Black-and-blue Jays (Aves:Passeriformes:Corvidae)

**New Mexico State University**
**Fishery and Wildlife Sciences**
**Las Cruces, NM 88003**
CHAIRMAN: Charles Davis
DEGREES: MS, PhD ENROLLMENT: 0
CONTACT: Charles Davis

Raul Valdez Assoc. Prof.
Texas A & M PhD 1970 505-646-1544
Natural Hist/Descriptive Studies
Social Behav-Sex and Reproduction
Social Behav-Aggression
managemant implication of social behavior; mother-offspring relationships
Wild Sheep (Mammalia:Artiodactyla:Bovidae)
Wild Goats (Mammalia:Artiodactyla:Bovidae)

# NEW YORK

**City University of New York/City College**
**Biology**
**New York, NY 10031**
CHAIRMAN: John Tietjen 212-690-6801
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Norman Saks

Joseph G. Griswold 1971
Pennsylvania State Univ. PhD 1971 212-690-8461
Applied Ethology-Companion Animals
Development/Ontogeny
Social Behavior-Parental/Filial
Behavior development, especially social behavior
and communication in dogs; social behavior in
birds and mammals
Dogs (Mammalia:Carnivora:Canidae)
Chickens (Aves:Galliformes)
Wild Pigs (Mammalia:Artiodactyla,Suidae)

Joe Grossfield Prof.
Univ. of Texas PhD 1966 212-690-8472
Behav Genetics
Sensory Mech
Evolution/Survival Value
sexual and nonsexual behavior in Drosophila and
relationship to biochemical and physiological parameters
Drosophila (Insecta:Diptera:Drosophilidae)

Olivia McKenna Assoc. Prof.
Boston Univ. PhD 1968 212-690-8496
Sensory Mech-Vision
Neural Mechanisms
neuroanatomical techniques; light and electron
microscopy; 2 DG metabolic mapping; anterograde and
retrograde tracing techniques
Chicken (Aves:Galliformes)

Carol A. Simon Assoc. Prof.
Univ. of Calif., Riverside PhD 1973 212-690-8461
Behav Ecol
Social Behav
Communication
territoriality; resource usage; chemical
communication; social spacing
Lizards (Reptilia:Sauria)

Sanya A. Springfield Asst. Prof.
Howard Univ. PhD 1982 212-690-8449
Neural Mech
Endocrine/Hormonal Mech
Drug Studies
neuro electiophysiology/neuropharmacology
Rat (Mammalia:Rodentia:Muridae)

Josh Wallman Assoc. Prof.
Tufts Univ. PhD 1972 212-690-8459
Sensory Mech-Vision
Development/Ontogeny
Other-Motor Systems
development of optokinetic eye movements;
evolution of saccadic eye movements
Chicken (Aves:Galliformes:Gullidae)
Pigeon (Aves:Columbiformes:Columbidae)
Frogmouth (Aves:Caprimulgiformes:Podargidae)
Raptors (Aves:Falconiformes)
Rhesus Monkey (Mammalia:Primates:Cercopithecidae)

**City University of New York/Hunter College**
**Doctoral Subprogram in Biopsychology**
**New York, NY 10021**
CHAIRMAN: Peter Moller 212-775-5620
DEGREES: MA, PhD ENROLLMENT: 8
CONTACT: Peter Moller

James Gordon Prof.
Brown Univ. PhD 1969 212-772-5569
Sensory Mech-Vision
color and pattern vision in adult humans, neonate humans, turtles and frogs
Humans (Mammalia:Primates:Hominidae)
Frogs (Amphibia:Salientia:Ranidae)
Turtles (Reptilia:Chelonia:Emydidae)

George Gourevitch Prof.
Columbia Univ. PhD 1963 212-772-5557
Sensory Mech-Audition
Communication-Acoustic
auditory animal psychophysics; animal communication
Pig-tailed Monkeys (Mammalia:Primates:Cercopithecidae)
Chinchilla (Mammalia:Rodentia:Chinchillidae)

Cheryl F. Harding Prof.
Rutgers Univ. PhD 1975 212-873-1300
Neural Mech-Other (Hormone Recept)
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
role of androgen metabolism in regulation male social behavior; social behavior in the zebra finch
Zebra Finch (Aves:Passeriformes:Estrilidae)
Redwinged Blackbirds (Aves:Passeriformes:Icteridae)

Susan Karp Manning Prof.
Univ. of Calif., Riverdale PhD 1971 212-772-5617
Other-Cognitive Psychology
Learning-Memory
short-term memory suffix effects
Humans (Mammalia:Primates:Hominidae)

Peter Moller
Freie Universitat, Berlin PhD 1967 212-772-5620
Communication
Behav Ecol
Social Behav
ethology and ecology of electric fish
S. American Knifefish (Osteichthyes:Cypriniformes:Gymnotidae)
Baby Whales (Osteichthyes:Mormyriformes:Mormyridae)
Electric Catfish (Osteichthyes:Siluriformes:Malapteruridae)
Elephant-nose Fish (Osteichthyes:Osteoglossiformes:Mormyridae)

Stanley Novak Assoc. Prof.
Columbia Univ. PhD 1962 212-772-5550
Sensory Mech
Other-Visual Psychophysics
Other-Psychophysiology
border contrast; simultaneous contrast; visual illusions
Humans (Mammalia:Primates:Hominidae)

Robert L. Thompson Prof.
Columbia Univ. PhD 1959 212-772-5533
Learning-Other (Conditioning)
Learning-Other (Cognition)
self-recognition in primates; experimental analysis of behavior
Chimpanzees (Mammalia:Primates:Pongidae)
Monkeys (Mammalia:Primates:Cercopithecidae)
Chinchilla (Mammalia:Rodentia:Chinchillidae)
Rats (Mammalia:Rodentia:Muridae)
Pigeons (Aves:Columbiformes:Columbidae)

Howard Topoff Prof.
City Univ. of New York PhD 1968 212-772-5677
Social Behav
Behav Ecol
social insect behavior
Slave-making Ants (Insecta:Hymenoptera:Formicidae)
Army Ants (Insecta:Hymenoptera:Formicidae)

Gerald Turkewitz Prof.
New York University PhD 1967 212-772-5616
Behav Ecol-Orient/Nav/Migrat/Homing
Development/Ontogeny
Neural Mech-Neurophysiol Correlates
early development; effects of malnutrition; sensory and inter-sensory function
Humans (Mammalia:Primates:Hominidae)
Rat (Mammalia:Rodentia:Muridae)

H.P. Zeigler Prof.
Univ. of Wisconsin PhD 1958 212-873-1419
Neural Mech
Sensory Mech-Other (Somatosensory)
Feeding/Ingestion
motor control; motivation; feeding
Pigeon (Aves:Columbiformes:Columbidae)

**Cornell University**
**Entomology**
**Ithaca, NY 14853**
CHAIRMAN: Maurice Tauber 607-256-7723
DEGREES: MS, PhD ENROLLMENT: 17
CONTACT: E. W. Cupp

George C. Eickwort Prof.
Univ. of Kansas PhD 1967 607-256-2096
Social Behav
Behav Ecol
Evolution/Survival Value
evolution of social behavior; reproductive and foraging behavior of insects, especially of Hymenoptera and of mites
Bees (Insecta:Hymenoptera:Apidae)
Wasps (Insecta:Hymenoptera:Vespoidea)
Mites (Chelicerata:Acarina)
Wasps (Insecta:Hymenoptera:Sphecidae)

Roger A. Morse Prof.
Cornell Univ. PhD 1955 607-256-5443
Social Behav-Sex and Reproduction
Social Behav-Other (Swarming)
Social Behav-Other (Kin Recognition)
social behavior of honey bees
Honey Bee (Insecta:Hymenoptera:Apidae)

**Cornell University**
**Neurobiology and Behavior**
**Ithaca, NY 14853**
CHAIRMAN: Miriam Salpeter 607-256-4517
DEGREES: MS, PhD ENROLLMENT: 17
CONTACT: Stacey Coil, Sec. to Grad. Field
Neurobiology & Behavior

Kraig Adler Prof.
Univ. of Michigan PhD 1968 607-256-6569
Behav Ecol-Orient/Nav/Migrat/Homing
Behav Ecol
Biological Rhythms
sensory basis of animal orientation and navigation
behavioral ecology of amphibians and reptiles
Amphibians (Amphibia)
Reptiles (Reptilia)

Andrew H. Bass Asst. Prof.
Univ. of Michigan PhD 1979 607-256-4716
Endocrine/Hormonal Mech
Evolution/Survival Value
Other-Neuroanatomy
co-evolution of behavior, nervous and endocrine
systems among vertebrates
Baby Whales (Osteichthyes:Mormyriformes:Mormyridae)
Sea Robins (Osteichthyes:Scorpaeniformes:Triglidae)
Midshipman (Osteichthyes:Batrachoidiformes:Batrachoididae)
Drum Fish (Osteichthyes:Perciformes:Sciaenidae)

Robert R. Capranica Prof.
MIT ScD 1964 607-256-3594
Communication
Neural Mech-Neurophysiol Correlates
Sensory Mech
animal sound communication and auditory neuroethology
Frogs (Amphibia:Salientia)
Toads (Amphibia:Salientia)
Crickets (Insecta:Orthoptera)
Geckos (Reptilia:Sauria:Gekkonidae)

Thomas Eisner Prof.
Harvard Univ. PhD 1955 607-256-4464
Communication-Chemical
Behav Ecol-Predator/Prey
Evolution/Survival Value
defensive behavior
Bombardier Beetle (Insecta:Coleoptera:Carabidae)

Stephen T. Emlen Prof.
Univ. of Michigan PhD 1966 607-256-4751
Behav Ecol
Communication
Social Behav
avian orientation and navigation; sexual selection
and evolution of mating systems
Bee-Eaters (Aves:Coraciiformes:Meropidae)

Carl D. Hopkins Prof.
Rockefeller Univ. PhD 1977 607-256-2259
Communication
Other-Neuroethology
Sensory Mech-Other (Electical)
neuroethology of species recognition in electric fish
Electric Fish (Osteichthyes:Mormyriformes:Mormyridae)
Electric Fish (Osteichthyes:Mormyriformes:Gymnarchidae)
Electric Fish (Osteichthyes:Cypriniformes:Gymnotidae)

Ron Hoy Assoc. Prof.
Stanford Univ. PhD 1969 607-256-7473
Other-Neuroethology
Communication-Acoustic
Neural Mech
neural basis of acoustic behavior in crickets
Field Cricket (Insecta:Orthoptera:Gryllinae)

Paul W. Sherman Assoc. Prof.
Univ. of Michigan PhD 1976 607-256-3397
Social Behav
Behav Ecol
Natural Hist/Descriptive Studies
mating systems; kinship; communication; kin recognition
Belding's Ground Squirrel (Mammalia:Rodentia:Sciuridae)
Naked Mole-Rat (Mammalia:Rodentia:Bathyurgidae)
Bank Swallow (Aves:Passeriformes:Hirundinidae)

Charles Walcott Prof.
Cornell Univ. PhD 1959 607-257-4783
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech
Sensory Mech-Other (Magnetic)
sensory basis of animal orientation; the navigation of homing pigeons
Homing Pigeons (Aves:Columbiformes:Columbidae)

**Cornell University**
**Physiology**
**Ithaca, NY 14853**
CHAIRMAN: Robert H. Wasserman 607-256-5454, ext 2430
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Daniel N. Tapper

Katherine A. Houpt Assoc. Prof.
Univ. of Pennsylvania PhD 1972 607-256-5454
Applied Ethol-Domestic Animals
Social Behav-Sex and Reproduction
Applied Ethol-Companion Animals
equine social behavior
Horse (Mammalia:Perissodactyla:Equidae)
Dog (Mammalia:Carnivora:Canidae)
Cat (Mammalia:Carnivora:Felidae)
Pig (Mammalia:Artiodactyla:Suidae)

**Cornell University**
**Psychology**
**Ithaca, NY 14853**
CHAIRMAN: D. Regan 607-256-5607
DEGREES: PhD ENROLLMENT:
CONTACT: Robert E. Johnston, Grad. Faculty Representative

Elizabeth Adkins-Regan Assoc. Prof.
Univ. of Pennsylvania PhD 1971 607-256-6304
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Development/Ontogeny
neuroendocrine mechanisms of avian reproductive behavior; hormones and development of sex differences in avian behavior
Zebra Finches (Aves:Passeriformes:Estrilidae)
Japanese Quail (Aves:Galliformes:Phasianidae)
Ring Doves (Aves:Columbiformes:Columbidae)
Platyfish (Osteichthyes:Atheriformes:Poeciliidae)

Robert E. Johnston Assoc. Prof.
Rockefeller Univ. PhD 1970 607-256-6436
Communication-Chemical
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
olfactory and vomeronasal mechanisms of communication; scent marking; social influences on reproductive behavior
Golden Hamster (Mammalia:Rodentia:Muridae)
Djungdrian Hamster (Mammalia:Rodentia:Muridae)
California Vole (Mammalia:Rodentia:Muridae)
Grasshopper Mouse (Mammalia:Rodentia:Muridae)

**Rockefeller University**
**Animal Behavior Laboratory**
**New York, NY 10021**
CHAIRMAN: 212-570-8657
DEGREES: PhD ENROLLMENT:

Carolyn A. Ristau Res. Assoc.
Univ. of Pennsylvania PhD 1974 212-570-8657
Other-Cognition
Behav Ecol-Predator/Prey Interact
Communication-Acoustic
cognitive ethology; injury feigning; behavior of birds; critiques of ape cognition and language studies; communication of fireflies; chem. comm.
Piping Plover (Aves:Charadriiformes)
Apes (Mammalia:Primates:Pongidae)
Fireflies (Insecta:Coleoptera:Lampyridae)
Monkeys (Mammalia:Primates:Cebidae)
Humans (Mammalia:Primates:Hominidae)

**State University of New York, Albany**
**Biological Sciences**
**Albany, NY 12222**
CHAIRMAN: Henry Tedeschi 518-457-8283
DEGREES: MS, PhD ENROLLMENT: 20
CONTACT: Graduate Admissions, Dept. of Biology

Kenneth P. Able Prof.
Univ. of Georgia PhD 1971 518-457-4810
Behav Ecol-Orient/Nav/Migrat/Homing
Biological Rhythms
Evolution/Survival Value
Birds (Aves:Passeriformes)

Jerram L. Brown Prof.
Univ. of Calif., Berkeley PhD 1960 518-457-1878
Behav Ecol
Social Behav-Other (Sociobiology)
Social Behav
animal social systems; ecology of helping; mating systems; spacing
Birds (Aves)

Thomas Caraco Assoc. Prof.
Syracuse Univ. PhD 1977 518-457-8895
Behav Ecol-Foraging
Methodol-Theoretical Models
Birds (Aves:Passeriformes)

Douglas F. Fraser Prof.- Sienna College
Univ. of Maryland PhD 1974 518-783-4144
Behav Ecol-Predator/Prey Interact
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
effect of predators on habitat-use patterns;
response of prey to predation risk
Minnows (Osteichthyes:Cypriniformes:Cyprinidae)
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae
Guppys (Osteichthyes:Cyprinodontiformes:Poeciliidae)

Jon Jacklett Prof.
Univ. of Oregon, Eugene PhD 1967 518-457-4036
Biological Rhythms
Neural Mech
Learning
neurobiology of circadian pacemakers; neurobiology
of adaptive behavior
Sea Hare (Mollusca:Gastropoda:Techtibranchia)

Larry G. Mason Assoc. Prof.
Univ. of Kansas PhD 1964 518-457-8273
Evolution/Survival Value
Social Behav-Sex and Reproduction
Social Behav
sexual selection; behavioral sexual dimorphism
Ambush Bugs (Insecta:Hemiptera:Phymatidae)
Soldier Beetles (Insecta:Coleoptera:Cantharidae)

Margaret M. Stewart Dist.Teach.Prof
Cornell Univ. PhD 1956 518-457-8271
Behav Ecol-Territoriality
Social Behav-Sex and Reproduction
Natural Hist/Descriptive Studies
population ecology and behavior of tropical and
temperate anurans
Puerto Rican Coqui (Amphibia:Anura:Leptodactylidae)
Green Frog (Amphibia:Anura:Ranidae)
Mink Frog (Amphibia:Anura:Ranidae)

Suzannah Bliss Tieman Adj. Assoc. Prof.
Stanford Univ. PhD 1974 518-457-4911
Sensory Mech-Vision
Development/Ontogeny
Neural Mech-Neurophysiol Correlates
development of visual abilities in mammals and
effects thereon of early experience
Cat (Mammalia:Carnivora:Felidae)

**State University of New York, Albany**
**Psychology**
**Albany, NY 12222**
CHAIRMAN: Donn Byrne 518-457-5452
DEGREES: PhD ENROLLMENT: 10
CONTACT: Bruce Svare

Bruce C. Dudek Assoc. Prof.
SUNY,Binghamton PhD 1978 518-457-8482
Behav Genetics
Drug Studies
Neural Mech-Other(Neurochemistry)
individual differences in response to alcohol,
their genetic bases, and neurochemical mechanisms
for their expression.
Mice (Mammalia:Rodentia:Muridae)

Gordon G. Gallup, Jr. Prof.
Washington State Univ. PhD 1968 518-457-8482
Behav Ecol-Predator/Prey Interaction
Social Behav
self-recognition; open field behav; tonic immobility
Chickens (Aves:Galliformes)
Rhesus Monkeys (Mammalia:Primates:Cercopithecidae)

John H. Hannigan Asst. Prof.
SUNY, Binghamton PhD 1983 518-457-8482
Development/Ontogeny
Drug Studies
Neural Mech.
behavioral teratology; developmental psychopharmacology;
neurochemistry; neuropeptides and behavior;
recovery from brain damage
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)

N. Bruce McCutcheon Asst. Prof.
Brown Univ. PhD 1968 518-457-8482
Sensory Mech-Chemical
Neural Mech-brain stimulation
taste quality recognition; brain mechanisms of
stress reductions
Rat (Mammalia:Rodentia:Muridae)

Edward P. Riley Prof.
Tulane Univ. PhD 1974 518-457-8482
Drug Studies
Neural Mech.
Behav Genetics
behavioral teratology; alcohol research; animal
models of prenatal drug exposure

Robert A. Rosellini Assoc. Prof.
DePaul Univ PhD 1974 518-457-7599
Learning-Complex
Learning-Reinforcement
Learning-Other (Helplessness)
learned helplessness
Rats (Mammalia:Rodentia:Muridae)

Bruce B. Svare Assoc. Prof.
Rutgers Univ. PhD 1976 518-457-8482
Endocrine/Hormonal Mech
Social Behav-Aggression
Social Behav-Parental/Filial
hormones and aggressive behavior
Mice (Mammalia:Rodentia:Muridae)

**State University of New York, Binghamton**
**Biological Sciences**
**Binghamton, NY 13901**
CHAIRMAN: George J. Schumacher 607-798-2775
DEGREES: MS, PhD ENROLLMENT: 13
CONTACT: Dr. Dale Madison, or
Ms. Joan Thayer, Grad. Sec.

| | | | |
|---|---|---|---|
| Dale M. Madison | Assoc. Prof. | | |
| Univ. of Maryland | PhD | 1971 | 607-798-2160 |

Evolution/Survival Value
Social Behav-Social Spacing
Communication-Chemical
evolution of social organization, space use, and population regulation in rodents; scent-marking, courtship pheromones in salamanders
Voles (Mammalia:Rodentia:Cricetidae)
Mice (Mammalia:Rodentia:Cricetidae)
Salamanders (Amphibia:Caudata:Plethodontidae)

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|---|---|---|---|
| Nancy E. Stamp | Asst. Prof. | | |
| Univ. of Maryland | PhD | 1980 | 607-798-6538 |

Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Behav Ecol-Predator/Prey Interact
responses to patchy environments; host-parasitoid interactions; defoliating insect herbivores; seed-dispersal
Balt. Checkerspot Butterfly (Insecta:Lepidoptera:Nymphalidae)
Parasitic Wasps (Insecta:Hymenoptera:Braconidae)
Parasitic Wasps (Insecta:Hymenoptera:Ichneumonidae)
Sawflies (Insecta:Hymenoptera:Tenthredinidae)
Leaf-Mining Flea Beetle (Insecta:Coleoptera:Chrysomelidae)

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|---|---|---|---|
| R. Stimson Wilcox | | | |
| Univ. of Michigan | PhD | | 607-798-2423 |

Communication-Acoustic
Behav Ecol-Territoriality
acoustic communication in water striders
Water Strider (Insecta:Hemiptera:Gerridae)

## State University of New York, Brockport
**Biological Sciences**
**Brockport, NY 14420**
CHAIRMAN: L.K.Kline 716-395-2193
DEGREES: M.S. ENROLLMENT: 3
CONTACT: L.K. Kline

| | | | |
|---|---|---|---|
| James M. Haynes | Assoc. Prof. | | |
| Univ. of Minnesota | PhD | 1978 | 716-395-5750 |

Behav Ecol
Natural History/Descriptive
habitat selection; orientation
Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Trout (Osteichthyes:Salmoniformes:Salmonidae)
Black Basses (Osteichthyes:Perciformes:Centrarchidae)
Sturgeon (Osteichthyes:Acipenseriformes:Acipenseridae)

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|---|---|---|---|
| Edward E. Southwick | Assoc. Prof. | | |
| Washington State Univ. | PhD | 1971 | 716-395-2193 |

Behav Ecol
Behav Genetics
Communication
biology of honey bees; comparitive physiology; heat transfer (physical, physiological, and behavioral aspects)
Honey Bees (Insecta:Hymenoptera:Apidae)

**State University of New York, Buffalo**
**Anthropology**
**Amherst, NY 14261**
CHAIRMAN: A.T. Steegmann 716-636-2414
DEGREES: MA, PhD ENROLLMENT: 8
CONTACT: Mrs. Jean Grela

C.M. Berman Asst. Prof.
Univ. of Cambridge, UK PhD 1979 716-636-2087
Development/Ontogeny
Social Behav-Parental/Filial
Evolution/Survival Value
social and demographic factors influencing maternal behavior and social development among free-ranging monkeys
Rhesus Monkey (Mammalia:Primates:Cercopithecidae)

**State University of New York, Buffalo**
**Psychology**
**Buffalo, NY 14226**
CHAIRMAN: E. Katkin 716-831-3081
DEGREES: PhD ENROLLMENT: 9
CONTACT: M.B. Kristal, Director of Biopsychology Program

Elaine M. Hull Assoc. Prof.
Indiana Univ. PhD 1967 716-831-3085
Neural Mech-Other (Brain Chem Stim)
Development/Ontogeny
Social Behav-Sex and Reproduction
chemical brain stimulation and male sex behavior
Rat (Mammalia:Rodentia:Muridae)

Mark B. Kristal Assoc. Prof.
Kansas State Univ. PhD 1971 716-831-3085
Endocrine/Hormonal Mech
Neural Mech
Social Behav
physiological bases of maternal behavior; placentophagia; ingestion; learning
Rat (Mammalia:Rodentia:Muridae)

**State University of New York,**
**College of Environmental Science and Forestry**
**Environmental and Forest Biology**
**Syracuse, NY 13210**
CHAIRMAN: Robert L. Burgess 315-470-6749
DEGREES: MS, PhD ENROLLMENT: 16
CONTACT: Robert Burgess, Robert L. Friedman or R. Frey

C.J. Smith Assoc. Prof.
McGill Univ. PhD 1954 716-831-3085
Neural Mech
Sensory Mech
Neural Mech-Brain Lesions
Rat (Mammalia:Rodentia:Muridae)
Cat (Mammalia:Carnivora:Felidae)

Stephen B. Brandt Assoc. Prof.
Univ. of Wisconsin PhD 1978 315-470-6870
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Behav Ecol-Predator/Prey Interact
vertical migrations; feeding; competition; species
interactions and thermoselection of fishes in
marine and freshwater systems
Fish (Osteichthyes)
Squid (Mollusca:Cephalopoda)
Zooplankton (Crustacea)

Frank E. Kurczewski Prof., Curator
Cornell Univ. PhD 1964 315-470-6753
Behav Ecol
Natural Hist/Descriptive Studies
Evolution/Survival Value
coevolution of solitary wasps and satellite-flies;
cleptoparasitism of solitary wasps by miltogram-mine
flies; comparative behav. of solitary wasps
Digger Wasps (Insecta:Hymenoptera:Sphecidae)
Satellite Flies (Insecta:Diptera:Sarcophagidae)
Solitary Wasp (Insecta:Hymenoptera:Pompilidae)

Gerald N. Lanier Prof.
Univ. of Calif., Berkeley PhD 1967 315-470-6755
Communication-Chemical
Bahav Ecol-Habitat Selection
chemical communication in insects
European Elm Bark Beetle (Insecta:Coleoptera:Scolytidae)
Pine Engraver Beetle (Insecta:Coleoptera:Scolytidae)
Bark Weevils (Insecta:Coleoptera:Curculionidae)

Dietland Muller-Schwarze Prof.
Max-Planck Inst. PhD 1963 315-470-6801
Communication-Chemical
Behav Ecol
Play
foraging; wildlife; bioassay of mammalian pheromones
(chemical ecology); mammal-plant interaction
Beaver (Mammalia:Rodentia:Castoridae)
Deer (Mammalia:Artiodactyla:Cervidae)

Roy A. Norton Research Assoc.
SUNY, Coll. Env. Sci. For. PhD 1977 315-470-6752
Behav Ecol
Social Behav
Evolution/Survival Value
ecology, systematics and behavior of soil
arachnids, particularly mites
Mites (Arthropoda:Chelicerata:Arachnida:Acarina)
Spiders (Arthropoda:Chelicerata:Arachnida:Araneida)

Neil H. Ringler Assoc. Prof.
Univ. of Michigan PhD 1975 315-470-6770
Behav Ecol-Predator/Prey Interact
Behav Ecol-Foraging
Applied Ethol-Other (Fisheries)
behav aspects of foraging; ind. variation; contribution to
population/community dynamics; role of
vert. predators in structuring invert. populations
Trout and Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Burbot (Osteichthyes:Gadiformes:Gadidiae)
Bullhead (Osteichthyes:Siluriformes:Ictaluridae)
Sunfish (Osteichthyes:Perciformes:Centrarchidae)

William M. Shields Assoc. Prof.
Ohio State Univ. PhD 1979 315-470-6771
Evolution/Survival Value
Communication
Social Behav
evolution of dispersal mating patterns; communication; social behavior in general; social behavior and ecology of the barn swallow
Swallows (Aves:Passeriformes:Hirundinidae)
Toads (Amphibia:Anura)
Butterflies (Insecta:Lepidoptera)
Humans (Mammalia:Primates:Hominidae)

**State University of New York, Geneseo**
**Biology**
**Geneseo, NY 14454**
CHAIRMAN: Robert D. Simon 716-245-5301
DEGREES: MA, Biology ENROLLMENT: 2
CONTACT: Dean of Graduate Studies

Robert C. Beason Asst. Prof.
Clemson Univ. PhD 1976 716-245-5310
Behav Ecol-Orient/Nav/Migrat/Homing
Biological Rhythms
Sensory Mech-Other (Magnetic)
orientation in migratory birds; evolution of bird migration systems;magnetic sensory perception; circannual rhythms;interaction of orientation cues
Bobolink (Aves:Passeriformes:Icteridae)
Songbirds (Aves:Passeriformes)
Waterfowl (Aves:Anseriformes)
Warblers (Aves:Passeriformes:Parulidae)

**State University of New York, Stony Brook**
**Psychology Department, Biopsychology Program**
**Stony Brook, NY 11794**
CHAIRMAN: John Neale, Acting Head 516-246-6185
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: William Morrison,
Director of Graduate Training

Emil W. Menzel, Jr. Prof.
Vanderbilt Univ. PhD 1958 516-246-6828
Behav Ecol-Foraging
Communication
Learning
primate behavior
Marmosets (Mammalia:Primates:Callitrichidae)

Heywood M. Petry Asst. Prof.
Brown Univ. PhD 1981 516-246-6181
Sensory Mech-Vision
Neural Mech
Development/Ontogeny
color vision in mammals; neuroanatomy and physiology of visual pathways; development and plasticity of visual mechanisms
Tree Shrew (Mammalia:Primates:Tupaiidae)

Everett J. Wyers Prof.
Univ. of Calif., Berkeley PhD 1955 516-246-4096
Evolution/Survival Value
Learning
Social Behav
learning/cognitive behav/adaptation; aggression: assessment & behav strategies; behav variation: individual & circadian effects; habituation/extinction
Anabantoid Fishes(Osteichthyes:Perciformes:Belontiidae)
Zebra Finches (Aves:Ploceidae:Estrilidae)
Earthworms (Annelida:Oligochaeta:Lumbricidae)

**Syracuse University**
**Biology Department**
**Syracuse, NY 13210**
CHAIRMAN: Judith Foster 315-423-2156
DEGREES: PhD ENROLLMENT: 4
CONTACT: Larry L. Wolf

F. Reed Hainsworth Prof.
Univ. of Pennsylvania PhD 1968 315-423-2155
Behav Ecol
Evolution/Survival Value
Social Behav
optimal foraging; sex allocation; control of feeding
Hummingbirds (Aves:Apodiformes:Trochilidae)
Geese (Aves:Anseriformes)
Plants (Dicots)

W.T. Starmer Prof.
Univ. of Arizona PhD 1972 315-423-2154
Behav Genetics
Evolution/Survival Value
Behav Ecol
larval substrate foraging preferences in Fruit Flies
Fruit Flies (Insecta:Diptera:Drosophilidae)
Cactus
Yeast

Larry L. Wolf Prof.
Univ. of Calif., Berkeley PhD 1966 315-423-3956
Behav Ecol
Evolution/Survival Value
Social Behav
mating systems; territoriality; foraging; decision-making
Dragonflies (Insecta:Odonata:Anisoptera)
Hummingbirds (Aves:Apodiformes:Trochilidae)
Fruit Flies (Insecta:Diptera:Drosophilidae)

## NORTH CAROLINA

**Duke University**
**Psychology**
**Durham, NC 27706**
CHAIRMAN: Robert Carson 919-684-4321
DEGREES: PhD ENROLLMENT: 6
CONTACT: Carl J. Erickson

Carl J. Erickson Prof.
Rutgers Univ. PhD 1965 919-684-4369
Social Behav
Endocrine/Hormonal Mech
Evolution/Survival Value
social induction of hormone secretion as it
pertains to species-specific patterns of adaption
Ring Dove (Aves:Columbiformes:Columbidae)
Damselfly (Insecta:Odonata:Zygoptera)

John Staddon Prof
PhD 1964 919-684-3449
Behav Ecol
Behav Ecol-foraging
Learning
operant conditioning
Pigeon (Aves:Columbiformes:Columbidae)
Rat (Mammalia:Rodentia:Muridae)

**Duke University**
**Department of Zoology**
**Durham, NC 27706**
CHAIRMAN: Bruce Nicklas 919-684-3306
DEGREES: PhD ENROLLMENT: 5
CONTACT: Henry Wilbur or Peter Klopfer

William E. Conner Asst. Prof.
Cornell Univ. PhD 1979 919-684-3972
Communication-Chemical
Behav Ecol-Orient/Nav/Migrat/Homing
Social Behav-Sex and Reproduction
mating systems
Tiger Moths (Insecta:Lepidoptera:Arctiidae)
Crabhole Mosquitoes (Insecta:Diptera:Culicidae)
Honey Bees (Insecta:Hymenoptera:Apidae)

P. Klopfer Prof.
Yale Univ. PhD 1958 919-684-3991
Communication
Social Behav
Behav Ecol
aggression; social spacing; sex and reproduction;
habitat selection; orientation; territoriality;
maternal-filial relations
Lemurs (Mammalia:Primates:Lemuridae)
Goats (Mammalia:Artiodactyla:Bovidae)
Fish (Osteichthyes)
Birds (Aves)

**North Carolina State University**
**Zoology**
**Raleigh, NC 27695-7614**
CHAIRMAN: John G. Vandenbergh 919-737-2741
DEGREES: MS, MLS, PhD ENROLLMENT:
CONTACT: Grover Miller

George Barthalamus Prof.
Pennsylvania State Univ. PhD 1970 919-737-2741
Drug Studies
Behav Ecol-Orient/Nav/Migrat/Homing
amphibian behavior; behavioral toxicology
Xenopus (Amphibia:Anura:Pipidae)

Roger A. Powell Asst. Prof.
Univ. of Chicago PhD 1977 919-737-2741
Behav Ecol-Foraging
Evolution/Survival Value
Behav Ecol-Predator/Prey Interact
territoriality and habitat productivity in black bears; social organization in pine voles; predatory behavior in mustelids
Weasels (Mammalia:Carnivora:Mustelidae)
Mink (Mammalia:Carnivora:Mustelidae)
Black Bear (Mammalia:Carnivora:Ursidae)
Pine Vole (Mammalia:Rodentia:Cricetidae)

John G. Vandenbergh Prof.
Pennsylvania State Univ. PhD 1965 919-737-2741
Endocrine/Hormonal Mech
Social Behav-Sea and Reproduction
Communication-Chemical
pheromonal regulation of puberty in mice; hormones and sexual behavior; hormonal bases of behavior
House Mice (Mammalia:Rodentia:Muridae)
Pine Vole (Mammalia:Rodentia:Cricetidae)

Jeffrey R. Walters Asst. Prof.
Univ. of Chicago PhD 1980 919-737-2741
Social Behav-Sex and Reproduction
Social Behav-Parental/Filial
Evolution/Survival Value
cooperative breeding in birds; reproductive biology of precocial birds; primate intragroup social behavior
Red-Cockaded Woodpeckers (Aves:Piciformes:Picidae)
Yellow Baboons (Mammalia:Primates:Cercopithecidae)
Lapwings (Aves:Charadriiformes:Charadriidae)
Plovers (Aves:Charadriiformes:Charadriidae)
Sanderling (Aves:Charadriiformes:Scolopacidae)

**University of North Carolina, Chapel Hill**
**Biology**
**Chapel Hill, NC 27514**
CHAIRMAN: L.I. Gilbert 919-962-2077
DEGREES: PhD ENROLLMENT: 11
CONTACT: H.C. Mueller, Director of Graduate Studies

Elizabeth A. McMahan Prof.
Univ. of Hawaii PhD 1960 919-962-1330
Behav Ecol
Behav Ecol-Predator/Prey Interact
polyethism (in termite workers); predator/prey interactions of assassin bug and termites
Termites (Insecta:Isoptera:Nasutitermitidae)
Assassin Bug (Insecta:Hemiptera:Reduviidae)

Helmut C. Mueller Prof.
Univ. of Wisconsin, Madison PhD 1962 919-962-3059
Behav Ecol
Development/Ontogeny
Natural Hist/Descriptive Studies
predator/prey interactions; migration/orientation; evolution
Birds (Aves)
Birds of Prey (Aves)

R. Haven Wiley Prof.
Rockefeller Univ. PhD 1970 919-962-1340
Social Behav
Communication
Other-Bioacoustics
adaptations for acoustic communication; mating systems in birds; dominance hierarchies and individual recognition; cooperative breeding in birds
Birds (Aves)
Primates (Mammalia:Primates)
Other Vertebrates

**University of North Carolina, Chapel Hill**
**Psychology**
**Chapel Hill, NC 27514**
CHAIRMAN: David Galinski 919-962-2053
DEGREES: PhD ENROLLMENT: 8
CONTACT: Vicki Fuller

Robert B. Cairnes Prof.
Stanford Univ. PhD 1960 919-962-5081
Behav Genetics
Development/Ontogeny
Social Behav-Aggression
development and micro-evolution of social patterns with a focus on aggression and its functions
House Mouse (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

Meredith J. West Assoc. Prof.
Cornell Univ. PhD 1975 919-962-3024
Communication
Development/Ontogeny
Learning-Other
bird song; parent-infant interactions; vocal development
Song birds (Aves:Passeriformes:Icteridae)
Human infants (Mammalia:Primates:Hominidae)

**University of North Carolina, Greensboro**
**Psychology**
**Greensboro, NC 27412**
CHAIRMAN: Gilbert Gottlieb 919-379-5015
DEGREES: MA, PhD ENROLLMENT: 5
CONTACT: Cheryl Logan

Gilbert Gottlieb Prof.
Duke Univ. PhD 1960 919-379-5015
Development/Ontogeny
Communication-Acoustic
Social Behav-Parental/Filial
development of species identification;
theoretical aspects of behavioral and psychological evolution
Mallard Duck (Aves:Anseriformes)
Wood Duck (Aves:Anseriformes)
Humans (Mammalia:Primates:Hominidae)

Timothy D. Johnston Asst. Prof.
Univ. of Connecticut PhD 1978 919-379-5013
Behav Ecol-Foraging
Development/Ontogeny
Learning
role of early experience in the development of foraging behavior (spatial strategies, choice, food handling)
Golden Hamster (Mammalia:Rodentia:Cricetidae)

Cheryl A. Logan Assoc. Prof.
Univ. of Calif., San Diego PhD 1974 919-379-5014
Communication-Acoustic
Behav Ecol-Territoriality
Social Behav-Sex and Reproduction
reproductive and territorial functions of mockingbird song
Mockingbird (Aves:Passeriformes:Mimidae)

Walter Salinger Assoc. Prof.
Univ. of Calif., LA PhD 1970 919-379-5235
Sensory Mech-Vision
Development/Ontogeny
Neural Mech
Cat (Mammalia:Carnivora:Felidae)

Richard L. Shull Prof.
Arizona State Univ. PhD 1969 919-379-5235
Learning
Learning-Reinforcement
Learning-Discrimination
choice; delay of reinforcement and conditioned
reinforcement value; response strength
Domestic Pigeon (Aves:Columbiformes:Columbidae)
Domestic Rat (Mammalia:Rodentia:Muridae)

**Wake Forest University**
**Biology**
**Winston-Salem, NC 27109**
CHAIRMAN: Ronald V. Dimock, Jr. 919-761-5323
DEGREES: MS, PhD ENROLLMENT: 8
CONTACT: Robert A. Browne

Ronald V. Dimock, Jr. Prof.
Univ. of Calif., Santa Barbara PhD 1970 919-761-5567
Behav Ecol
Communication
Sensory Mech
chemical ecology; chemically mediated behavior;
chemoreception; behavioral aspects of symbiosis;
territoriality; marine/freshwater invert. behavior
Mud Snails (Gastropoda:Neogastropoda:Nassariidae)
Mussels (Gastropoda:Pelecypoda:Unionidae)
Water Mites (Chelicerata:Arachnida:Acari:Unionicolidae)
Worms (Annelida:Oligochaeta:Branchiobdellidae)

Peter D. Weigl Prof.
Duke Univ. PhD 1969 919-761-5314
Behav Ecol
Evolution/Survival Value
Social Behav
behavioral energetics; home range; social spacing;
resource utilization; habitat selection; foraging
Squirrels (Mammalia:Rodentia:Sciuridae)
Birds (Aves)
Snapping Turtles (Reptilia:Chelonia:Chelydridae)

# NORTH DAKOTA

**University of North Dakota**
**Biology**
**Grand Forks, ND 58202**
CHAIRMAN: Paul B. Kannowski 701-777-2621
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Director of Graduate Studies

Margaret Gould Burke Asst. Prof.
Duke Univ. PhD 1979 701-777-2207
Behav Ecol
Social Behav
Applied Ethol
influences of ecological parameters on social
organization and behavior; dominance hierarchies; wildlife
Feral Goats (Mammalia:Artiodactyla:Bovidae)
Fallow Deer (Mammalia:Artiodactyla:Cervidae)
Franklin's Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Wolves (Mammalia:Carnivora:Canidae)
Damselfish (Osteichthyes:Perciformes:Pomacentridae)

Richard D. Crawford Assoc. Prof.
Iowa State Univ. PhD 1975 701-777-4673
Behav Ecol-Foraging
Evolution/Survival Value
Social Behav-Sex and Reproduction
asynchronous hatching in rails; egg size in waterfowl
Waterfowl (Aves:Anseriformes:Anatidae)
Rails (Aves:Gruiformes:Rallidae)
Blackbirds (Aves:Passeriformes:Icteridae)

Albert J. Fivizzani Assoc. Prof.
Louisiana State Univ. PhD 1977 701-777-4671
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Biological Rhythms
endocrine regulation of seasonal conditions, esp.
reproduction, behavior, etc., in vertebrates
Gulf Killifish (Osteichthyes:Cyprinodontiformes:Cyprinodontidae)
Banded Killifish (Osteichthyes:Cyprinodontiformes:Cyprinodontidae)
Spotted Sandpiper (Aves:Charadriiformes:Scolopacidae)
White-tailed Sparrow (Aves:Passeriformes:Fringillidae)

Paul B. Kannowski Prof., Chairman
Univ. of Michigan PhD 1957 701-777-2621
Communication-Chemical
Social Behav-Sex and Reproduction
Natural Hist/Descriptive Studies
role of pheromones in courtship and mating
behavior in insects, esp. ants
Ants (Insecta:Hymenoptera:Formicidae)
Tenebrionid Beetles (Insecta:Coleoptera:Tenebrionidae)
Springtails (Insecta:Collembola)

Jeffrey W. Lang Asst. Prof.
Univ. of Minnesota PhD 1977 701-777-4564
Behav Ecol
Social Behav
Natural Hist/Descriptive Studies
energetics and thermoregulation of reptiles;
development and growth of ectotherms; sex determination
Crocodilians (Reptilia:Crocodilia)
Reptiles (Reptilia)
Amphibians (Amphibia)

Lewis W. Oring Prof.
Univ. of Oklahoma PhD 1966 701-777-4598
Behav Ecol
Communication
Endocrine/Hormonal Mech
mating systems; acoustic communication
Sandpipers (Aves:Charadriiformes:Scolopacidae)
Grouse (Aves:Galliformes:Tetraonidae)
Frogs (Amphibia:Anura:Ranidae)

Robert W. Seabloom Prof.
Univ. of Minnesota PhD 1963 701-777-4676
Behav Ecol
Endocrine/Hormonal Mech
Natural Hist/Descriptive Studies
habitat selection; predator/prey interactions; territoriality; hormones and reproduction; mammalia natural history
Mule Deer (Mammalia:Artiodactyla:Cervidae)
Deer Mouse (Mammalia:Rodentia:Cricetidae)
Meadow Vole (Mammalia:Rodentia:Cricetidae)
Cottontail (Mammalia:Lagomorpha:Leporidae)
Prairie Dog (Mammalia:Rodentia:Sciuridae)

## OHIO

**Bowling Green University**
**Psychology**
**Bowling Green, OH 43403**
DEGREES: MA, PhD ENROLLMENT: 15
CONTACT: Joseph Cranny

Robert L. Conner Prof.
Univ. of Portland PhD 1965 419-372-2301
Endocrine/Hormonal Mech
Neural Mech
Drug Studies
hormonal influences on behavior (esp. agonistic behavior); brain mechanisms of hormone-behavior interactions
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)

**Case Western University**
**Biology**
**Cleveland, OH 44106**
CHAIRMAN: Norman B. Rushforth 216-368-3556
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Roy Ritzmann

Michael Forte Asst. Prof.
Univ. of Washington PhD 1978 216-368-2740
Behavior Genetics
genetic and behavior analysis of Paramecium ion channels; molecular analysis of ion channels
Paramecium (Protozoa)
Drosophila (Insecta:Diptera:Drosophilidae)

Roy E. Ritzmann Assoc. Prof.
Univ. of Virginia PhD 1974 216-368-3554
Other-Comp Neurophysiol/Insect Behav
Other-Decision-making in CNS
Neural Mech-Neurophysiol Correlates
cellular analysis of the escape system of the cockroach
American Cockroach (Insecta:Orthoptera:Blattidae)
Giant Cockroach (Insecta:Orthoptera:Blattidae)
House Cricket (Insecta:Orthoptera:Gryllidae)

Norman B. Rushforth Prof., Chairman
Cornell Univ. PhD 1961 216-368-3556
Methodol-Data Collect/Analysis
Neural Mech-Neurophysiol Correlates
Human Ethology
behavioral and electrophysiological studies of pacemaker interactions in hydroids; theoretical models
Freshwater Hydra (Cnidaria:Hydroidea:Hydra)
Marine Hydroids (Cnidaria:Hydroidea:Tubularia)
Marine Hydroids (Cnidaria:Hydroidea:Clava)

Barbara S. Simpson Instructor, Biology
Univ. of NC, Chapel Hill PhD 1982 216-368-3579
Communication-Acoustic
Behav Ecol-Territoriality
Social Behav-Social Spacing
use of song by territorial passerine birds; communication and escape in insects
Carolina Wren (Aves:Passeriformes:Troglodytidae)
Northern Cardinal (Aves:Passeriformes:Emberizidae)
Crickets (Insecta:Orthoptera)
Cockroach (Insecta:Orthoptera:Blattidae)

Joanne Westin Instructor
Cornell Univ. PhD 1974 216-368-3566
Neural Mech
Sensory Mech
neurophysiology of insects
Cockroach (Insecta:Orthoptera:Blattidae)

**Ohio State University**
**Anthropology**
**Columbus, OH 43210**
CHAIRMAN: Chung-min Chen 614-422-4149
DEGREES: PhD ENROLLMENT: 6
CONTACT: Frank E. Poirier

Frank E. Poirier Prof.
Univ. of Oregon PhD 1966 614-422-9766
Evolution/Survival Value
Social Behav
Other-Primate Conservation
Asian primates, esp. in India, Taiwan, China; primate socialization; evolution of behavior
Macaque (Mammalia:Primates:Cercopithecidae)
Langur (Mammalia:Primates:Cercopithecidae)
Snub-nosed Golden Monkey (Mammalia:Primates:Cercopithecidae)

**Ohio State University**
**Communication**
**Columbus, OH 43210**
CHAIRMAN: Joseph Foley, Acting Chair 614-422-3400
DEGREES: MA, PhD ENROLLMENT: 0
CONTACT: Harold R. Bauer

Harold R. Bauer Asst. Prof.
PhD 1977 614-422-8209
Communication
Human Ethology
Development/Ontogeny
vocal, social development form babbling to speech; developmental, evolutionary bases of child speech; comparative study of chimpanzee and human comm.
Human Children (Mammalia:Primates:Hominidae)
Common Chimpanzee (Mammalia:Primates:Pongidae)

**Ohio State University**
**Entomology**
**Columbus, OH 43210**
CHAIRMAN: D. J. Horn 614-422-8209
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: D. L. Denlinger

Woodbridge A. Foster Assoc. Prof.
Univ. of Calif., Berkeley PhD 1967 614-422-2204
Motivation/Emotion
Feeding/Ingestion
Behav Ecol-Foraging
physiological control, reprod. consequences of decision-making; effect of resource conditions on time budgets, foraging patterns; courtship
Mosquitos (Insecta:Diptera:Culicidae)
Dung Flies (Insecta:Diptera:Anthomyiidae)

**Ohio State University**
**Psychology Department**
**Columbus, OH 43210**
CHAIRMAN: Samuel Osipow 614-422-6331
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: David Hothersall

David Hothersall Prof.
Tennessee PhD 1968 614-422-5114
Learning
Applied Ethol-Domestic Animals
Neural Mech-Brain Lesions
discrimination;companion animals;:brain lesions
Dogs (Mammalia:Carnivora:Canidae)
Rats (Mammalia:Rodentia:Muridae)
Red-Wing Blackbirds (Aves:Passeriformes:Icteridae)

**Ohio State University**
**Zoology**
**Columbus, OH 43210**
CHAIRMAN: John L. Crites 614-422-8088
DEGREES: M.S.,PhD ENROLLMENT: 21
CONTACT: Roy A. Stein

Thomas C. Grubb Prof.
Univ. of Wisconsin PhD 1971 614-422-0329
Behav Ecol-Foraging
Social Behav-Dominance
Behav Ecol-Habitat Selection
behavior ecology of mixed-species foraging flocks of wintering birds
Passerines (Aves:Passeriformes:Paridae,Sittidae,Corvidae)
Woodpeckers (Aves:Piciformes:Picidae)
Kestrels (Aves:Falconiformes:Falconidae)
Laysan Teals (Aves:Anseriformes:Anatidae)
Geoffroy's Cat (Mammalia:Carnivora:Felidae)

Roy A. Stein Assoc. Prof.
University of Wisconsin PhD 1975 614-422-8088
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
Behav Ecol Habitat Selection
behavioral ecology of fishes
Sunfishes (Osteichthyes:Perciformes:Centrarchidae)
Pike (Osteichthyes:Perciformes:Esocidae)

**Ohio University**
**Zoological and Biomedical Sciences**
**Athens, OH 45701-2979**
CHAIRMAN: Frederick Hagerman 614-594-5816
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Louise Edds, Graduate Committee Chairman

Walter J. Costello Asst. Prof.
Boston Univ. PhD 1978 614-594-6401
Development/Ontogeny
Neural Mech
Evolution/Survival Value
neural bases of behavior; escape mechanisms
Clawed Lobster (Crustacea:Decapoda:Nephropsidea)
Fruit Fly (Insecta:Diptera:Drosophilidae)

Scott M. Moody Asst. Prof.
Univ. of Michigan PhD 1980 614-594-6401
Behav Ecol
Locomotion
Communication
arboreal locomotion; epigamic display and signals; epidermal glands and species recognition
Lizards (Reptilia:Sauria:Agamidae)
Lizards (Reptilia:Sauria:Iguanidae)
Lizards (Reptilia:Sauria:Chamaeleontidae)

E. H. Peterson Asst. Prof.
Univ. of California PhD 1976 614-594-5816
Neural Mech-Other (Motor Control)
Sensory Mech-Vision
Other-Functional Morphology
neural control of neck movements; sensory-motor transformations; vestibular sensory mechanisms
Red-eared Slider (Reptilia:Chelonia:Emydidae)

Jerome S. Rovner Prof.
Univ. of Maryland PhD 1966 614-594-5891
Behav Ecol
Evolution/Survival Value
Social Behav
behavior of terrestrial arthropods during submergence (survival during floods); aggression in cannibalistic arthropods; chemical/acoustic comm.
Spiders (Chelicerata:Arachnida:Araneae)

Michael H. Rowe Asst. Prof.
Univ. of California PhD 1975 614-594-6401
Sensory Mech-Vision
Neural Mech-Neurophysiol Correlates
receptive field analysis of retinal neurons
Cat (Mammalia:Carnivora:Felidae)
Gray Fox (Mammalia:Carnivora:Canidae)
Beaver (Mammalia:Rodentia:Aplodontidae)
Rat (Mammalia:Rodentia:Muridae)

Gerald E. Svendsen Prof.
Univ. of Kansas PhD 1973 614-594-6943
Social Behav
Evolution/Survival Value
Behav Ecol
evolution of mating systems; social organization
and population dynamics
Vicuna (Mammalia:Artiodactyla:Camelidae)
Beaver (Mammalia:Rodentia:Castoridae)
Marmots (Mammalia:Rodentia:Sciuridae)
Passerines (Aves:Passeriformes:Fringillidae)
Weasels (Mammalia:Carnivora:Mustelidae)

**University of Akron**
**Biology**
**Akron, OH 44325**
CHAIRMAN: Dale Jackson 216-375-7155
DEGREES: MS ENROLLMENT: 4
CONTACT: F. Scott Orcutt, Jr.

Dan Ely Assoc. Prof.
Univ. of California PhD 1971 216-375-7159
Neural Mech-Neurophysiol Correlates
Endocrine/Hormonal Mech
Social Behav
neuroendocrine mechanisms of social position;
aggression and dominance
Human (Mammalia:Primates:Hominidae)
Mouse (Mammalia:Rodentia:Muridae)
Rat (Mammalia:Rodentia:Muridae)

Dale Jackson Prof.
Univ. of Kentucky, Durham PhD 1959 216-375-7155
Behav Ecol-Predator/Prey Interact
Parasitic Wasps (Insecta:Hymenoptera)

Walter Macior Prof.
Univ. of Wisconsin PhD 1959 216-375-7162
Behav Ecol-Other (Pollination Syst)
Behav Ecol
Evolution/Survival Value
Bumble Bees (Insecta:Hymenoptera)

Scott F. Orcutt, Jr. Assoc. Prof.
Cornell Univ. PhD 1969 216-375-7154
Social Behav-Sex and Reproduction
Communication-Acoustic
Evolution/Survival Value
species-specific vocalizations and reproductive
isolating mechanisms in Paridae (chickadees and titmice)
Chickadees (Aves:Passeriformes:Paridae)
Titmice (Aves:Passeriformes:Paridae)

Walter Sheppe Prof.
British Columbia PhD 1958
Behav Ecol-Other (Exploration)
Behav Ecol-Other (Pop Dynamics)
exploratory behavior in mice
Mice (Mammalia:Rodentia:Cricetidae)

Warren Stoutamire Prof.
Indiana Univ. PhD 1954
Behav Ecol-Other(Pollinat/Pseudocop)
Behav Ecol
Evolution/Survival Value
Wasps (Insecta:Hymenoptera)
Bees (Insecta:Hymenoptera)

Monte Turner Asst. Prof.
Univ. of Georgia PhD 1982 216-375-7154
Evolution/Survival Value
Behav Genetics
Social Behav-Sex and Reproduction
mating behavior and fitness in fruit flies;
formation and maintenance of reproductive isolation
Fruit Flies (Insecta:Diptera:Drosophilidae)

**University of Cincinnati**
**Biological Sciences**
**Cincinnati, OH 45221-0006**
CHAIRMAN: Anthony Mukkada 513-475-4231
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: George Uetz

George W. Uetz Assoc. Prof.
Univ. of Illinois PhD 1976 513-475-6368
Behav Ecol
Social Behav
Communication
arachnology; spider behavior, ecology; sociality
in spiders; courtship; acoustic communication; foraging
Orb-weaving Spiders (Arachnida:Araneae:Araneidae)
Wolf Spiders (Arachnida:Araneae:Lycosidae)
Social Spiders (Chelicerata:Arachnida:Araneae)

## OKLAHOMA

**Oklahoma State University**
**Zoology**
**Stillwater, OK 74078**
CHAIRMAN: Jerry Wilhm 405-624-5555
DEGREES: PhD ENROLLMENT: 5
CONTACT: Jerry Wilhm

Rudolph J. Miller Prof.
Cornell Univ. PhD 1962 405-624-5555
Evolution/Survival Value
Social Behav
Sensory Mech
evolution of structure and behavior in fishes;
social behavior of fishes and other vertebrates
Anabantoid Fishes (Osteichthyes:Perciformes:Anabantidae)
Sunfishes (Osteichthyes:Perciformes:Centrarchidae)
Minnows (Osteichthyes:Cypriniformes:Cyprinidae)
Birds (Aves)
Daphnia (Crustacea:Cladocera:Daphnidae)

**University of Oklahoma**
**Psychology**
**Norman, OK 73019**
CHAIRMAN: N. Jack Kanak 405-325-4511
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Chair, Admissions Committee

Roger L. Mellgren Prof.
Indiana Univ. PhD 1970 405-324-4511
Behav Ecol-Foraging
Learning
Methodol
optimal foraging theory; spatial memory
Rodents (Mammalia:Rodentia:Heteromyidae)
Rodents (Mammalia:Rodentia:Muridae)
Chimpanzee (Mammalia:Primates:Pongidae)

**University of Oklahoma**
**Zoology**
**Norman, OK 73019**
CHAIRMAN: James N. Thompson, Jr. 405-325-4821
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Paul Bell

Charles C. Carpenter Prof.
Univ. of Michigan PhD 1951 405-325-2298
Behav Ecol
Communication-Visual
Social Behav
ritualistic behaviors of reptiles; ethoecology of
reptiles, aggressive displays of iguanid lizards
Lizard (Reptilia:Sauria:Iguanidae, Scincidae)
Snake (Reptilia:Serpentes:Colubridae:Crotalidae)
Toad (Reptilia:Anura:Bufonidae)

Jane B. Lancaster Prof., Anthropology
Univ. of Calif., Berkeley PhD 1967 405-325-3261
Social Behav
Human Ethology
Evolution/Survival Value
sex and reproduction; parental investment in the higher primates
Vervet Monkey (Mammalia:Primates:Cercopithecidae)
Humans (Mammalia:Primates:Hominidae)

Janet L. Leonard Asst. Prof.
Univ. of Wisconsin PhD 1980 405-325-4821
Motivation/Emotion
Neural Mech
Natural Hist/Descriptive Studies
male-female conflict in sexual behavior;
physiological basis of arousal and drive
Sea Hares (Mollusca:Pleurocoelida:Aplysiidae)
Snails (Mollusca:Gastropoda:Pulmonata)

Michael A. Mares Prof.
Univ. of Texas, Austin PhD 1973 405-325-4711
Social Behav-Social Spacing
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
desert mammal ecology; South American mammals; biogeography
Rodents (Mammalia:Rodentia)
Marsupials (Mammalia:Marsupialia)

Douglas W. Mock Assoc. Prof.
Univ. of Minnesota PhD 1976 405-325-2751
Social Behav
Evolution/Survival Value
Behav Ecol
infanticide and siblicide; sexual selection and
mating systems; coloniality and group-living
Great Egret (Aves:Ciconiiformes:Ardeidae)
Great Blue Heron (Aves:Ciconiiformes:Ardeidae)
Cattle Egret (Aves:Ciconiiformes:Ardeidae)

Gary D. Schnell Prof.
Univ. of Kansas PhD 1969 405-325-4034
Methodol-Data Collect/Analysis
Locomotion
Behav Ecol-Foraging
statistical techniques in data analysis; flight of birds;
foraging of hawks; kleptoparasitism of gulls on pelicans
Gulls (Aves:Charadriiformes:Laridae)
Hawks (Aves:Falconiformes:Accipitridae)
Sparrows (Aves:Passeriformes:Emberizidae)
Kangaroo Rats (Mammalia:Rodentia:Dipodidae)

P.L. Schwagmeyer Asst. Prof.
Univ. of Michigan PhD 1979 405-325-4512
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol
intrasexual competition; mate searching behavior
and ontogenetic changes in search proficiency;
advantages to females of multiple mating
Thirteen-lined Ground Squirrel (Mammalia:Rodentia:Sciuridae)

Bedford M. Vestal Assoc. Prof.
Michigan State Univ. PhD 1970 405-325-3082
Social Behav
Behav Ecol
Evolution/Survival Value
social spacing in populations; kin recognition and
social interactions among kin; mate choice;
environmental effects on social behavior
Thirteen-lined Ground Squirrel (Mammalia:Rodentia:Sciuridae)
House Mouse (Mammalia:Rodentia:Muridae)
Deer Mouse (Mammalia:Rodentia:Cricetidae)

## OREGON

**Oregon State University**
**Zoology**
**Corvallis, OR 97331**
CHAIRMAN: John Morris 503-754-3705
DEGREES: ENROLLMENT: 10
CONTACT: Andrew R. Blaustein

Andrew R. Blaustein Assoc. Prof.
Oregon State Univ. PhD 2978 503-754-3705
Behav Ecol
Social Behav-Other (Kin Recognition)
Evolution/Survival Value
behavioral, population and evolutionary ecology;
kin recognition; competition; social systems
Cacscades Frogs (Amphibia:Salientia:Ranidae)
Voles (Mammalia:Rodentia:Cricetidae)
Birds (Aves:Passerifomes)

**University of Oregon**
**Psychology**
**Eugene, OR 97403**
CHAIRMAN: Robyn Dawes 503-686-4916
DEGREES: ENROLLMENT:
CONTACT: Michael Menaker

Richard A. Littman Prof.
Ohio State Univ. PhD 1948 503-686-4969
Development/Ontogeny
Motivation/Emotion
Social Behav-Aggression
effect of trauma; interdependence in group problem solving;social behavior-dominance, parental/filial
Primates (Mammalia:Primates:Cercopithecidae)
Rat (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Cat (Mammalia:Carnivora:Felidae)

**University of Oregon**
**Institute of Neuroscience**
**Eugene, OR 97403**
CHAIRMAN: Michael Menaker 503-686-4517
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Naomi Ihara

William E. Bradshaw Prof. (Biology)
PhD 503-686-4542
Behav Ecol-Habitat Selection
Behav Ecol-Predator/Prey Interact
Biological Rhythms
population, physiological and geographical ecology
Tree-hole Mosquito (Insecta:Diptera:Culicidae)

Frederick W. Dahlquist Prof. (Chemistry)
Calif. Instit. of Tech. PhD 1969 503-686-5151
Behav Ecol-Orient/Nav/Migrat/Homing
Locomotion
Chemotaxis in E. coli
Eschericha coli (Bacteria)

Russell D. Fernald Assoc. Prof. (Biology)
Univ. of Pennsylvania PhD 1968 503-686-4543
Development/Ontogeny
Sensory Mech-Vision
Social Behav-Dominance
neural basis of visual pattern recognition; development of the visual system; neuroethology
Cichlids (Osteichthyes:Perciformes:Cichlidae)

Barbara Gordon-Lickey Prof. (Psychology)
Mass. Instit. of Tech. PhD 1966 503-686-4904
Development/Ontogeny
Other-Neurophysiol. Correlates
Sensory Mech-Vision
neurochemical mechanisms in the visual deprivation of the visual cortex
Domestic Cat (Mammalia:Carnivora:Felidae)

Marvin E. Gordon-Lickey Prof. (Psychology)
Univ. of Michigan PhD 1965 503-686-4517
Biological Rhythms
Development/Ontogeny
Neural Mech-Neurophysiol Correlates
physiology of circadian rhythms; photoreception
and internal organization of the circadian system of Aphysia
Aplysia (Mollusca:Gastropoda)

Philip Grant Prof. (Biology)
Columbia Univ. PhD 1952 503-686-4531
Development/Ontogeny
Other-Regeneration
Sensory Mech-Vision
development of ordered neuronal connections;
optic fiber connections in amphibia
Frogs (Amphibia:Salientia)

Steve W. Keele Prof. (Psychology)
Univ. of Wisconsin, Madison PhD 1966 503-686-4517
Human Ethology
Learning-Discrimination
Motivation/Emotion
human motor control with a special interest in
motor timing; mechanisms of attention
Human (Mammalia:Primates:Hominidae)

Daniel P. Kimble Prof. (Psychology)
Univ. of Michigan PhD 1961 503-686-4947
Endocrine/Hormonal Mech
Feeding/Ingestion
Learning-Memory
role of mammal. hippocampus in behav; develop. of
anomalous sympathetic innervation of hippocampus;
effect of fetal brain tissue transplant into adult
Rat (Mammalia:Rodentia:Muridae)

Charles B. Kimmel Prof. (Biology)
Johns Hopkins Univ. PhD 1966 503-686-4519
Development/Ontogeny
Other-Circuitry
Other-Reflex
development of identified neurons in teleost fish;
efficacy of synaptic connections in relation to cell patterns
Zebrafish (Osteichthyes:Cypriniformes:Cyprinidae)

Richard R. Marrocco Prof. (Psychology)
Indiana Univ. PhD 1971 503-686-4547
Methodol-Theoretical Models
Neural Mech-Neurophysiol Correlates
Sensory Mech-Vision
information processing in monkey visual system;
cortical strategies of information processing, esp
relation. between striate and pre-striate cortices
Primates (Mammalia:Primates:Cercopithecidae)

Michael Menaker Prof. (Biology)
Princeton Univ. PhD 1960 503-686-4517
Biological Rhythms
Endocrine/Hormonal Mech
Other-Non-Visual Light Perception
bio of circadian systems in vertebrates: role of
pineal & suprachiasmatic nucleus as oscillators;
extraretinal photoreceptive inputs; photoperiodism
Sparrow (Aves:Passeriformes:Emberizidae)
Chicken (Aves:Galliformes)
Anoles (Reptilia:Sauria:Iguanidae)
Mouse (Mammalia:Rodentia:Muridae)
Hamster (Mammalia:Rodentia:Cricetidae)

Peter M. O'Day Visit. Asst. Prof. (Bio.)
SUNY, Albany PhD 1977 503-686-4947
Neural Mech-Neurophysiol Correlates
Sensory Mech-Vision
cellular processes underlying visual adaptation in invertebrate photoreceptors and the central regulation of photoreceptor adaptation
Limulus (Chelicerata:Merostomata)

Gary E. Pickard Visit. Asst. Prof. (Bio.)
Univ. of Wisconsin, MadisonPhD 1978 503-686-4562
Biological Rhythms
Endocrine/Hormonal Mech.
Other-Neuroanatomical Correlates
mammalian neuroanatomy; neural pathways underlying circadian rhythms; neural control of reproduction
Hamster (Mammalia:Rodentia:Cricetidae)

Michael I. Posner Prof. (Psychology)
Univ. of Michigan PhD 1962 503-686-4939
Human Ethology
Learning-Complex
Neural Mech-Brain Lesions
linking human attention and cognitive processes to the neural system by means of information processing studies in normal & patient populations
Human (Mammalia:Primates:Hominidae)

James A. Simmons Prof. (Biology)
Princeton Univ. PhD 1969 503-686-4544
Behav Ecol-Orient/Nav/Migrat/Homing
Sensory Mech-Audition
Other-Acoustics
neuroethology of echolocation in bats; mechanisms of orientation by echolocation and the neural mechanisms for perception of acoustic images
Bat (Mammalia:Chiroptera)

Kent A. Stevens Assoc. Prof. (Comp. Sci.)
Mass. Instit. of Tech. PhD 1979 503-686-4430
Methodol-Data Collect/Analysis
Methodol-Theoretical Models
Sensory Mech-Vision
computational modeling and psychophysical investigation of human visual information processing of visual texture and surface perception
Human (Mammalia:Primates:Hominidae)

Monte Westerfield Asst. Prof. (Biology)
Duke Univ. PhD 1977Duke 503-686-4596
Development/Ontogeny
Neural Mech-Neurophysiol Correlates
development of synaptic connections; spinal cord neurons; mechanisms of normal and abnormal growth after injury, as related to age
Zebrafish (Osteichthyes:Cypriniformes:Cyprinidae)
Frog (Amphibia:Salientia)

Marjorie H. Woollacott Assoc. Prof.(Phys. Educ.)
Univ. of Southern Calif. PhD 1973 503-686-4509
Development/Ontogeny
Human Ethology
Locomotion
motor learning and reflex modifiability in humans; neuronal mechanisms underlying balance and posture control during changing environmental conditions
Human (Mammalia:Primates:Hominidae)

# PENNSYLVANIA

**Bucknell University**
**Animal Behavior, Psychology**
**Lewisburg, PA 17837**
CHAIRMAN: Douglas Candland (Anim.Behav.) 717-524-1200
David Milne (Psych) 717-524-3357
DEGREES: MA, MS ENROLLMENT: 6
CONTACT: D. Candland (Anim. Behav.)/D. Milne (Psych.)

Warren G. Abrahamson Prof.
Harvard Univ. PhD 1973 717-524-1155
Behav Ecol
Other-Insect Behavior
insect gall-maker effects on plants and
gall-maker natural enemies
Goldenrod Ball Gall-maker (Insecta:Diptera:Tephritidae)
Gall Wasps (Insecta:Hymenoptera:Eurytomidae)
Gall Beetle (Insecta:Coleoptera:Mordellidae)

Nancy G. Caine Asst. Prof.
Univ. of Calif., Davis PhD 1980 717-524-1200
Social Behav
Behav Ecol
Development/Ontogeny
vigilance and anti-predator adaptations in
primates; peer relationships; social organization
Tamarins (Mammalia:Primates:Callitrichidae)

Douglas K. Candland Prof.
Princeton Univ. PhD 1959 717-524-1200
Other-Primate Soc Organ/Perception
Other-Threatened Species
Social Behav
social perception among Macaca fuscata and Papio hamadryas
Japanese Monkey (Mammalia:Primates:Cercopithecidae)
Hamadryas Baboon (Mammalia:Primates:Cercopithecidae)
Squirrel Monkey (Mammalia:Primates:Cebidae)

Owen R. Floody Assoc. Prof.
Rockefeller Univ. PhD 1974 717-524-1200
Social Behav-Sex and Reproduction
Social Behav-Dominance
Endocrine/Hormonal Mech
neuroendocrine control of courtship and aggression
Rodents (Mammalia:Rodentia:Cricetidae)

Daniel L. Hoffman Assoc. Prof.
Washington Univ. PhD 1968 717-524-2873
Behav Ecol-Predator/Prey Interact
Communication
Social Behav
competitive interactions between sessile animals, esp. the
goose barnacle & sea mussel; escape responses in
gastropod mollusks; chem. comm. in marine animals
Goose Barnacle (Crustacea:Cirripedia:Thoracica)
Sea Mussel (Bivalvia:Mytiloida:Mytilidae)
Top Shells (Gastropoda:Prosobranchia:Trochidae)

Roger M. Tarpy Prof.
Princeton Univ. PhD 1967 717-524-1200
Learning
Other-Economics
Other-Concept Formation
effects of signaling reward on learning; demand functions
Rats (Mammalia:Rodentia:Muridae)
Hamsters (Mammalia:Rodentia:Cricetidae)
Pigeons (Aves:Columbiformes:Columbidae)

**Lehigh University**
**Biology**
**Bethlehem, PA 18015**
CHAIRMAN: B. Bean 215-861-3694
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Murray Itzkowitz

Murray Itzkowitz Assoc. Prof.
Univ. of Maryland PhD 1971 215-861-3694
Behav Ecol-Foraging
Behav Ecol-Territoriality
Social Behav
sex and reproduction; aggression; male and female tactics in monogamous social systems; aggressive tactics and reproductive success
Texas Cichlid (Osteichthyes:Perciformes:Cichlidae)
Damselfish (Osteichthyes:Perciformes:Pomacentridae)
Pupfish (Osteichthyes:Atherniformes:Cyprinodonidae)
Snowy Egret (Aves:Ciconiiformes:Ardeidae)

**Lehigh University**
**Psychology**
**Bethlehem, PA 18015**
CHAIRMAN: William Newman 215-861-3624
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: John Nyby

John Nyby Assoc. Prof.
Univ. of Texas, Austin PhD 1974 215-861-3625
Communication-Chemical
Endocrine/Hormonal Mech
Behav Genetics
auditory and chemical communication in house mice
House Mice (Mammalia:Rodentia:Muridae)

**Pennsylvania State University**
**Anthropology**
**University Park, PA 16802**
CHAIRMAN: P.T. Baker 814-865-2500
DEGREES: MA, PhD ENROLLMENT: 6
CONTACT: Jeffrey A. Kurland, 416 Carpenter Bldg

Jeffrey A. Kurland Assoc. Prof.
Harvard Univ. PhD 1976 814-865-9162
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol-Foraging
evolution of social behavior in human and nonhuman primates
Humans (Mammalia:Primates:Hominidae)
Japanese Macaques (Mammalia:Primates:Cercopithecidae)
Rhesus Macaques (Mammalia:Primates:Cercopithecidae)
Barbary Macaques (Mammalia:Primates:Cercopithecidae)
Crab-eating Macaques (Mammalia:Primates:Cercopithecidae)

**Pennsylvania State University**
**Entomology Department, Insecticide Laboratory**
**University Park, PA 16802**
CHAIRMAN: C.W. Pitts, Jr. 814-865-1895
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: C.W. Pitts, Jr.

Jack C. Schultz Asst. Prof.
Univ. of Washington PhD 1978 814-863-4438
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
Evolution/Survival Value
plant-herbivore interactions; chemical ecology;
caterpillar foraging and anti-predator behavior;
plant defensive behavior
Gypsy Moth (Insecta:Lepidoptera)
Caterpillars (Insecta:Lepidoptera)
Insectivorous Birds (Aves:Passeriformes)
Grasshoppers (Insecta:Orthoptera)

**Pennsylvania State University**
**Individual and Family Studies**
**State College/Univ. Park, PA 16801/2**
CHAIRMAN: Anne Petersen 814-863-0241
DEGREES: MS, PhD ENROLLMENT: N/A
CONTACT: Richard Lerner

Robert L. Burgess Prof.
Washington Univ., St. Louis PhD 1969 814-856-1447
Social Behav-Aggression
Evolution/Survival Value
Human Ethology
relevance of evolutionary theory for understanding
child abuse and neglect; research conducted with
colleagues from Dept. of Anthropology
Humans (Mammalia:Primates:Hominidae)

Kathryn E. Hood Asst. Prof.
Temple Univ. PhD 1983 814-865-1447
Social Behav-Aggression
Endocrine/Hormonal Mech
Behav Genetics
Interactions of hormones,behavior. and life span
esp. among female rodents and humans;developmental
behav genetics of aggression in rodents
Mice (Mammalia:Rodentia:Muridae)
Rats (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

Jacqueline V. Lerner Asst. Prof.
Pennsylvania State Univ. PhD 1980 814-865-1447
Development/Ontogeny
Social Behav
tempermental individuality and contextual demands:
importance for psychosocial adjustment; role of
maternal employment in child development
Humans (Mammalia:Primates:Hominidae)

Richard M. Lerner Prof.
City Univ. of New York PhD 1971 814-865-1447
Development/Ontogeny
Social Behav
Evolution/Survival Value
Organismic individuality: longitudinal studies of
role of temperment/physical attractiveness/pubertal
change in personality/social development, child to young adult
Humans (Mammalia:Primates:Hominidae)

Gerald E. McClearn Assoc. Dean and Prof.
Univ. of Wisconsin PhD 1954 814-865-1717
Behav Genetics
Development/Ontogeny
Evolution/Survival Value
Genetic bases of indiv. diff. in behav. develop., using human popul/animal models;content domains of alcohol-related behav., aggress./cog./biology of aging
Mice (Mammalia:Rodentia:Muridae)
Humans (Mammalia:Primates:Hominidae)

Anne C. Petersen Prof. and Dept. Head
Univ. of Chicago PhD 1973 814-863-0053
Endocrine/Hormonal Mech
Development/Ontogeny
Motivation/Emotion
Biopsychosocial influences on the development of sex differences in cognition, focus on longitudinal studies of high school students and their families
Humans (Mammalia:Primates:Hominidae)

**Pennsylvania State University**
**Poultry Science**
**University Park, PA 16802**
CHAIRMAN: 814-865-3411

H.B. Graves
Social Behav
Behav Ecol
Evolution/Survival Value

**Temple University**
**Biology**
**Philadelphia, PA 19122**
CHAIRMAN: Nina Hillman 215-787-8851
DEGREES: MA, PhD ENROLLMENT: 8
CONTACT: Laurie Tompkins (215-787-1611)

Sue Binkley Prof.
Univ. of Texas PhD 1971 215-787-8827
Biological Rhythms
Endocrine/Hormonal Mech
pineal gland function in circadian rhythms of vertebrates

Edward Gruberg Assoc. Prof.
Univ. of Illinois PhD 1969 215-787-1920
Neural Mech
Sensory Mech
Locomotion
physiology, anatomy, neurochemistry and behavioral correlates of central visual systems
Leopard Frog (Amphibia:Salientia:Ranidae)
Rattlesnake (Reptilia:Serpentes:Crotalidae)

Michael Mote Prof.
Univ. of Calif., LA PhD 1968 215-787-8855
Sensory Mech-Vision
neurobiology
Cockroach (Insecta:Orthoptera:Blattidae)
Blue Crab (Crustacea:Decapoda)

Sheperd K. Roberts Prof.
Princeton Univ. PhD 1959 215-787-8864
Biological Rhythms
circadian rhythms
Cockroaches (Insecta:Orthoptera:Blattidae)

Laurie Tompkins Asst. Prof.
Princeton Univ. PhD 1977 215-787-1611
Behav Genetics
Development/Ontogeny
Neural Mech
chemical communication; feeding; reproductive behavior
Fruitfly (Insecta:Diptera:Drosophilidae)

**Temple University**
**Psychology**
**Philadelphia, PA 19122**
CHAIRMAN: David Kipnis 215-787-7360
DEGREES: PhD ENROLLMENT: 3
CONTACT: R. Baenninger

Ronald Baenninger Prof.
Johns Hopkins Univ. PhD 1966 215-787-7314
Applied Ethol
Human Ethology
Social Behav
animal-human interaction; aggression; dominance
Siamese Fighting Fish (Osteichthyes:Perciformes:Anabantidae)
Humans (Mammalia:Primates:Hominidae)

**University of Pennsylvania**
**Biology**
**Philadelphia, PA 19104**
CHAIRMAN: S. Roth 215-898-7889
DEGREES: PhD ENROLLMENT:
CONTACT: Department of Biology

John W. Smith Prof.
Harvard Univ. PhD 1961 215-898-7889
Social Behav-Other (Social Organ)
Social Behav
Communication
social relationships; group organization;
group communication
Chickadees (Aves:Passeriformes:Paridae)
Titmice (Aves:Passeriformes:Paridae)
Tyrannid Flycatchers (Aves:Passeriformes:Tyrannidae)
Vireos (Aves:Passeriformes:Vireonidae)

## RHODE ISLAND

**Brown University**
**Psychology**
**Providence, RI 02912**
CHAIRMAN: Bryan Shepp 401-863-2284
DEGREES: PhD ENROLLMENT: 6
CONTACT: Grad School (applications), Mrs. Pat Devine (info)

Donald Blough Prof.
Harvard Univ. PhD 1955 401-863-2965
Learning-Discrimination
Sensory Mech-Vision
animal psychophysics; perception, discrimination processes
Pigeon (Aves:Columbiformes:Columbidae)

Patricia M. Blough Assoc. Prof. (Res.)
Tufts Univ. MS 1954 401-863-2966
Sensory Mech
Learning
Neural Mech
vision; discrimination; memory; neurophysiological correlates
Pigeon (Aves:Columbiformes:Columbidae)
Rat (Mammalia:Rodentia:Muridae)

Russell M. Church Prof.
Harvard Univ. PhD 1956 401-863-2328
Drug Studies
Learning-Memory
Neural Mech-Brain Lesions
timing and time perception; biological basis of
temporal memory and temporal integration
Rat (Mammalia:Rodentia:Muridae)

Andrea Megela-Simmons Asst. Prof.
Harvard Univ. PhD 1978 401-863-2283
Communication-Acoustic
Neural Mech
Sensory Mech-Audition
hearing and vocal communication in anurans;
neural processing of complex sounds in the auditory system
Frogs (Amphibia:Anura)
Toads (Amphibia:Anura)

Allan M. Schrier Prof.
Univ. of Wisconsin, Madison PhD 1956 401-863-2511
Learning-Complex
Learning-Discrimination
Other-Visual Perception
complex visual discrimination learning and cognition; visual
information processing (as inferred from eye movements)
Monkeys (Mammalia:Primates:Cercopithecidae)

Rosemary P. Sorrentino Prof.
Brown University PhD 1953 401-863-2129
Communication
Sensory Mech-Audition
Learning-Discrimination
auditory thresholds in chinchilla
Chinchilla (Mammalia:Rodentia:Chinchillidae)

J. Michael Walker Asst. Prof.
Ohio State Univ. PhD 1979 401-863-2048
Drug Studies
Endocrine/Hormonal Mech
Neural Mech-Neurophysiol Correlates
Albino Rat (Mammalia:Rodentia:Muridae)

**Brown University**
**Graduate Program in Ecology and Evolutionary Biology**
**Providence, RI 02912**
CHAIRMAN: D.H. Morse 401-863-3152
DEGREES: MS, PhD ENROLLMENT: 1*
CONTACT: D.H. Morse (* new program, currently expanding)

Joel Kingsolver Asst. Prof.
Stanford Univ. PhD 1981 401-863-3455
Behav Ecol-Orient/Nav/Migrat/Homing
Behav Ecol-Foraging
Other-Activity/Movement Patterns
thermoregulatory behavior; mechanics of feeding behavior; models for movement
Butterflies (Insecta:Lepidoptera)
Mosquitos (Insecta:Diptera:Culicidae)

Douglass H. Morse Prof.
Louisana State Univ. PhD 1965 401-863-3152
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
Behav Ecol-Habitat Selection
patch choice and diet choice and the mechanisms responsible for them; relationship between foraging decisions and fitness
Crab Spiders (Chelicerata:Arachnida:Araneae:Thomisidae)
Bumble Bees (Insecta:Hymenoptera:Apidae)

Jonathan K. Waage Assoc. Prof.
Univ. of Michigan PhD 1971 401-863-2435
Behav Ecol-Other (Sexual Selection)
Evolution/Survival Value
Social Behav-Sex and Reproduction
sexual selection in the contexts of sperm competition, territoriality, pair forming, mate choice; comparative and manipulative field studies
Damselflies (Insecta:Odonata)

**University of Rhode Island**
**Zoology**
**Kingston, RI 02881**
CHAIRMAN: Charles Wilde 401-792-2372
DEGREES: MS, PhD ENROLLMENT: 7
CONTACT: Charles Wilde

Frank Heppner Prof.
Univ. of Calif., Davis PhD 1967 401-792-2372
Behav Ecol-Orient/Nav/Migrat/Homing
Social Behav
mechanisms of avian flight formations
Pigeon (Aves:Columbiformes:Columbidae)
Starling (Aves:Passeriformes:Sturnidae)

## SOUTH CAROLINA

**Clemson University**
**Biological Sciences**
**Clemson, SC 29631**
CHAIRMAN: Carl W. Helms 803-656-2328
DEGREES: MS, PhD ENROLLMENT: 12
CONTACT: James Colacino

Sidney A. Gauthreaux, Jr. Prof.
Louisiana State Univ. PhD 1968 803-656-2328
Behav Ecol-Orient/Nav/Migrat/Homing
Social Behav-Dominance
Behav Ecol-Habitat Selection
lab/field studies of orientation systems of migratory birds; ecological significance of dominance, relationship to differential dispersal, migration, habitat selection
Songbirds (Aves:Passeriformes)
Raptors (Aves:Falconiformes:Accipitridae)
Woodpeckers (Aves:Piciformes:Picidae)
Waterfowl (Aves:Anseriformes:Anatidae)
Cranes (Aves:Gruiformes:Gruidae)

Patricia Adair Gowaty Visiting Asst. Prof.
Clemson Univ. PhD 1980 803-656-2328
Behav Ecol
Social Behav
Evolution/Survival Value
mating systems evolution; intraspecific egg-dumping; female-female aggression; sex allocation
Eastern Bluebird (Aves:Passeriformes:Muscicapidae)
American Robin (Aves:Passeriformes:Muscicapidae)
Red-cockaded Woodpecker (Aves:Piciformes:Picidae)
Gelada Monkey (Mammalia:Primates:Cercopithecidae)

Robert J. Taylor Assoc. Prof.
Univ. of Calif., Santa Barbara PhD 1972 803-656-2328
Behav Ecol-Predator/Prey Interact
predator-prey pursuit and evasion
Largemouth Bass (Osteichthyes:Perciformes:Centrarchidae)

**Clemson University**
**Entomology**
**Clemson, SC 29631**
CHAIRMAN: Sidney Hays 803-656-3111
DEGREES: MS, PhD ENROLLMENT: 0
CONTACT: Sidney Hays

Peter H. Adler Asst. Prof.
Pennsylvania State Univ. PhD 1983 803-656-3111
Behav Ecol
Feeding/Ingestion
Natural History/Descriptive Studies
nocturnal feeding behavior; prezygotic and postzygotic isolating mechanisms between closely related species
Black Flies (Insecta:Diptera:Simuliidae)
Cutworm Moths (Insecta:Lepidoptera:Noctuidae)

**Clemson University**
**Forestry**
**Clemson, SC 29678**
CHAIRMAN: Michael A. Taras 803-656-3302
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: David C. Gwynn, Jr. or M.A. Taras

David C. Gwynn, Jr.  Prof.
Virginia Tech.  PhD  1975  803-656-3302
Behav Ecol-Territoriality
Behav Ecol
territoriality of beaver; beaver scent mounds as
territorial boundary markers
Beaver (Mammalia:Rodentia:Castoridae)

Michael R. Lennartz  Adjunct Prof.
Clemson Univ.  PhD  1983  803-656-3284
Behav Ecol
Social Behav-Other (Sociobiology)
Behav Ecol-Habitat Selection
habitat selection and population dynamics of species associated
with old-growth forest communities
Red-cockaded Woodpecker (Aves:Piciformes:Picidae)
Fox Squirrel (Mammalia:Rodentia:Sciuridae)
Flying Squirrel (Mammalia:Rodentia:Sciuridae)

**University of South Carolina**
**Biology Department, Baruch Institute for Marine Biology**
**Columbia, SC 29208**
CHAIRMAN: Larry Wimer
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: David Claybrook, Grad. Studies Dir.,
Biology Dept.

Patricia DeCoursey  Assoc. Prof.
Univ. of Wisconsin  PhD  1959  803-777-3934
Biological Rhythms
Neural Mech-Neurophysiol Correlates
Sensory Mech-Visual
including, sensory mechanisms of biological clocks
Flying Squirrel (Mammalia:Rodentia:Sciuridae)
Golden Hamster (Mammalia:Rodentia:Cricetidae)
Deermouse (Mammalia:Rodentia:Cricetidae)
Other Rodents (Mammalia:Rodentia)
Fiddler Crabs (Crustacea:Decapoda:Ocypodidae)

## TENNESSEE

**Memphis State University**
**Biology**
**Memphis, TN 38152**
CHAIRMAN: James F. Payne  901-454-2955
DEGREES: ENROLLMENT: 4
CONTACT: Melvin L. Beck

Ronald L. Mumme  Asst. Prof.
Univ. of Calif., Berkeley  PhD  1984  901-454-2597
Behav Ecol
Social Behav
Evolution/Survival Value
behavioral ecology and social systems of birds;
evolution of behavior; population biology
Acorn Woodpecker (Aves:Piciformes:Picidae)
Carolina Wren (Aves:Passeriformes:Troglodytidae)

**University of Tennessee**
**Life Sciences, Graduate Program in Ethology**
**Knoxville, TN 37996**
CHAIRMAN: Gordon M. Burghardt 615-974-6843
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Neil Greenberg

Gordon M. Burghardt Prof.(Psych., Zool.)
Univ. of Chicago PhD 1966 615-974-6843
Sensory Mech-Chemical
Development/Ontogeny
Behav Ecol
chemoreception, behavioral development, social and feeding mechanisms in squamate reptiles; theory and history
Reptiles (Reptilia)
Garter Snakes (Reptilia:Serpentes:Colubridae)
Green Iguana (Reptilia:Sauria:Iguanidae)
Black Bear (Mammalia:Carnivora:Ursidae)
Water Snakes (Reptilia:Serpentes:Colubridae)

Neil Greenberg Assoc. Prof. (Zool.)
Rutgers Univ. PhD 1973 615-974-2371
Social Behav
Neural Mech
Behav Ecol
physiological ethology of dominance, reproductive behavior, and display behavior; reciprocal influences of stress, physiology and behavior
Lizards (Reptilia:Sauria:Iguanidae)
Green Anole (Reptilia:Sauria:Iguanidae)

Gary F. McCracken Asst. Prof. (Zool.)
Cornell Univ. PhD 1976 615-974-6194
Social Behav
Behav Ecol
Evolution/Survival Value
evolution of social behavior and population genetic structuring
Mexican Free-tailed Bats (Mammalia:Chiroptera:Mollosidae)
Land Molluscs (Mollusca:Gastropoda:Pulmonata)

John C. New, Jr. Assc Prof (Env Prac)
Univ. of Minnesota MPh 1977 615-546-6092
Applied Ethol
Social Behav
Applied Ethol-Wildlife
circumstances and consequences of human/animal bonding; behavioral determinants of disease in free-ranging wildlife
Domestic Dog (Mammalia:Carnivora:Canidae)
Domestic Cat (Mammalia:Carnivora:Felidae)
White-tailed Deer (Mammalia:Artiodactyla:Cervidae)

Michael R. Pelton Prof. (Forestry)
Univ. of Georgia PhD 1968 615-974-7346
Applied Ethol-Wildlife
Behav Ecol-Other (Movement Ecology)
Natural Hist/Descriptive Studies
activity patterns and movement ecology of large mammals; population dynamics; food habits; denning behavior; population regulation mechanisms
Black Bear (Mammalia:Carnivora:Ursidae)
Raccoon (Mammalia:Carnivora:Procyonidae)
White-tailed Deer (Mammalia:Artiodactyla:Cervidae)
Cottontail Rabbit (Mammalia:Lagomorpha:Leporidae)
European Wild Hog (Mammalia:Artiodactyla:Suidae)

Susan E. Riechert Prof. (Zool.)
Univ. of Wisconsin PhD 1973 615-974-6187
Behav Ecol
Behav Genetics
Evolution/Survival Value
game theory; cost/benefit analyses
Spiders (Chelicerata:Arachnida:Araneae)

Cheryl Brown Travis Assoc. Prof. (Psy.)
Univ. of Calif., Davis PhD 1971 615-974-6843
Social Behav
Other-Educational Applications
Humans (Mammalia:Primates:Hominidae)

**Vanderbilt University**
**Psychology and Human Development (Peabody College)**
**Nashville, TN 37203**
CHAIRMAN: Howard M. Sandler 615-322-8141
DEGREES: PhD ENROLLMENT: 2
CONTACT: Corrine Bickman

Richard H. Porter Prof.
Wayne State Univ. PhD 1970 615-322-8419
Communication-Chemical
Development/Ontogeny
Human Ethology
development of kin interactions in spiny mice; mechanisms and functions of kin recognition; human social olfaction; social behavior-kin
Spiny Mice (Mammalia:Rodentia:Muridae)

## TEXAS

**Rice University**
**Biology**
**Houston, TX 77251**
CHAIRMAN: Ron Sass 713-527-4919
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Joan Strassmann

Joan Strassmann Asst. Prof.
Univ. of Texas, Austin PhD 1979 713-527-4922
Social Behav
Behav Ecol
Evolution/Survival Value
behavioral ecology of social wasps; evolution of sociality; sex allocation
Social Wasps (Insecta:Hymenoptera:Vespidae)

**Texas A & M University**
**Animal Science**
**College Station, TX 77843**
CHAIRMAN: G.C. Smith 409-845-1543
DEGREES: MS, PhD ENROLLMENT: 8
CONTACT: Ted Friend

Ted Friend Assoc. Prof.
VPI and SU PhD 1977 409-845-5265
Applied Ethol-Domestic Animals
Social Behav-Dominance
stress/animal care; physiological and behavioral
indices of stress; competition for resources; perception
Cattle (Mammalia:Artiodactyla:Bovidae)
Swine (Mammalia:Artiodactyla:Suidae)
Horse (Mammalia:Perissodactyla:Equidae)
Sheep (Mammalia:Artiodactyla:Bovidae)
Goat (Mammalia:Artiodactyla:Bovidae)

**Texas A & M University**
**Biology**
**College Station, TX 77843**
CHAIRMAN: Timothy C. Hall 409-845-7728
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Billy Foster

David W. Owens Assoc. Prof.
Univ. of Arizona PhD 1976 409-845-7783
Endocrine/Hormonal Mech
Communication-Chemical
Behav Ecol
imprinting; endocrine physiology of sexual behavior; chemical
communication; effects of pollutants on chemosensory behavior
Sea Turtles (Reptilia:Chelonia)
Fish (Osteichthyes)

Paul J. Weldon Asst. Prof.
Univ. of Tennessee PhD 1984 409-845-7766
Behav Ecol-Predator/Prey Interact
Communication-Chemical
detection of predator and prey odors; chemical ecology
Rattlesnakes (Reptilia:Serpentes:Crotalidae)
Kingsnakes (Reptilia:Serpentes:Crotalidae)
Gastropods (Mollusca:Gastropoda:Prosobranchia)

**Texas A & M University**
**Wildlife and Fisheries Sciences**
**College Station, TX 77843-2258**
CHAIRMAN: Wallace Klussmann 409-845-5777
DEGREES: MS, PhD ENROLLMENT: 20
CONTACT: Wallace Klussmann, Dept. Head

Keith A. Arnold Prof.
Louisiana State Univ. PhD 1966 409-845-5777
Applied Ethol-Wildlife
Behav Ecol
Natural Hist/Descriptive Studies
flocking and roosting in blackbirds; general
behavior and the natural history of Texas birds
Great-tailed Grackle (Aves:Passeriformes:Icteridae)

Daniel B. Fagre Asst. Prof.
Univ. of Calif., Davis PhD 1981 409-845-5708
Behav Ecol
Applied Ethol
Social Behav
predator-prey interactions; olfactory communication;
territoriality
Coyote (Mammalia:Carnivora:Canidae)
Bobcat (Mammalia:Carnivora:Felidae)

Jack M. Inglis Prof.
Texas A & M Univ. PhD 1967 409-845-5707
Behav Ecol-Habitat Selection
Applied Ethol-Wildlife
Social Behav-Social Spacing
habitat utilization and social organization of white-tailed deer
White-Tailed Deer (Mammalia:Artiodactyla:Cervidae)
Brindled Gnu (Mammalia:Artiodactyla:Bovidae)

William H. Neill Prof.
Univ. of Wisconsin, Madison PhD 1971 409-845-5777
Behav Ecol-Orient/Nav/Migrat/Homing
Behav Ecol-Habitat Selection
Sensory Mech-Other (Temperature)
behavioral and physiological bases of fish distribution;
enviroregulatory models of fish behavior
Bluegill (Osteichthyes:Perciformes:Centrarchidae)
Largemouth Bass (Osteichthyes:Perciformes:Centrarchidae)
Tuna (Osteichthyes:Perciformes:Scombridae)
Gilthead Seabream (Osteichthyes:Perciformes:Sparidae)
Arctic Cisco (Osteichthyes:Salmoniformes:Coregonidae)

Jane M. Packard Asst. Prof.
Univ. of Minnesota PhD 1980 409-845-5777
Social Behav
Behav Ecol
Evolution/Survival Value
evolution of canid social systems; social influences on
population regulation; mammalian communication
Wolf (Mammalia:Carnivora:Canidae)
Sea Otter (Mammalia:Carnivora:Mustelidae)
Weddel Seal (Mammalia:Pinnipedia)
West Indian Manatee (Mammalia:Sirenia)
Greylag Goose (Aves:Anseriformes)

Nova J. Silvy Assoc. Prof.
Southern Illinois Univ. PhD 1975 409-845-5777
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Social Behav-Sex and Reproduction
upland game birds
Grouse (Aves:Galliformes)
Deer (Mammalia:Artiodactyla:Cervidae)
Doves (Aves:Columbiformes:Columbidae)
Quail (Aves:Galliformes:Phasianidae)
Turkey (Aves:Galliformes)

R. Douglas Slack Assoc. Prof.
Ohio State Univ. PhD 1973 409-845-5777
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Behav Ecol-Predator/Prey Interact
coastal wildlife (birds)
Whooping Cranes (Aves:Gruiformes:Gruidae)
Shorebirds (Aves:Charadriiformes:Charadriidae)
Terns (Aves:Charadriiformes:Laridae)
Rails (Aves:Gruiformes:Rallidae)
Roseate Spoonbills (Aves:Ciconiiformes:Threskiornithidae)

S. Bradleigh Vinson Prof.
Mississippi State Univ. PhD 1965 409-845-9754
Behav Ecol-Territoriality
Social Behav-Sex and Reproduction
Other-Host/Oviposition Site Select
parasitoid-host relationships; insect chemical ecology;
social insects
Insect Parasitoids (Insecta:Hymenoptera:Ichneumonoidea)
Insect Parasitoids (Insecta:Hymenoptera:Chalcidoidea)
Insect Parasitoids (Insecta:Hymenoptera:Proctotrupoidea)
Solitary Bees (Insecta:Hymenoptera:Apoidea)
Fire Ants (Insecta:Hymenoptera:Formicidae)

**Texas A & M University**
**Veterinary Anatomy**
**College Station, TX 77843**
CHAIRMAN: Gerald Bratton 409-845-2828
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Gerald Bratton

Bonnie Beaver Prof.
Univ. of Minnesota DVM 1968 409-845-3195
Applied Ethol
Social Behav
Other-Eliminative Behav
companion animals, domestic animals; aggression, dominance, social spacing; abnormal behavior patterns; activity patterns
Dogs (Mammalia:Carnivora:Canidae)
Cats (Mammalia:Carnivora:Felidae)
Horses (Mammalia:Perissodactyla:Equidae)
Cattle (Mammalia:Artiodactyla:Bovidae)
Marmosets (Mammalia:Primates:Callitricidae)

W.R. Klemm Prof.
Univ. of Notre Dame PhD 1963 409-845-4201
Neural Mech
Communication
Drug Studies
neuropharmacology; neurophysiology
Cattle (Mammalia:Artiodactyla:Bovidae)
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)

**Texas Tech University**
**Animal Science**
**Lubbock, TX 79409**
CHAIRMAN: J. McCroskey 806-742-2513
DEGREES: MS, PhD ENROLLMENT: 1
CONTACT: John McGlone

John J. McGlone Research Scientist
Univ. of Illinois PhD 1981 806-742-2513
Applied Ethol-Domestic Animals
Communication-Chemical
Social Behav-Aggression
physiological mechanisms controlling pig aggression; pheromones; applied ethology
Domestic Pig (Mammalia:Artiodactyla:Suidae)

**University of Texas, Arlington**
**Psychology**
**Arlington, TX 76019**
CHAIRMAN: Verne C. Cox 817-273-2281
DEGREES: MS, PhD ENROLLMENT: 6
CONTACT: James N. Bowen (817-273-3200)

James Kopp Assoc. Prof.
Univ. of Michigan PhD 1967 817-273-3237
Learning
Learning-Reinforcement
Other-Choice Behavior
operant conditioning-concurrent schedules of reinforcement (positive)
Rat (Mammalia:Rodentia:Muridae)
Squirrel Monkey (Mammalia:Primates:Tapaiidae)

Martha A. Mann Asst. Prof.
SUNY, Albany PhD 1983 817-273-3239
Other-Behav Endocrinology
Other-Developmental Psychobiology
Behav Genetics
genetic, developmental, hormonal influences on intraspecific
aggression, parental care, reproductive physiology,
sex ratio evolution; social behavior
Mice (Mammalia:Rodentia:Muridae)

Garvin McCain Prof.
Univ. of Texas, Austin PhD 1960 817-273-3240
Other-Crowding
Other-Stress
Other-Violence
crowding in humans
Humans (Mammalia:Primates:Hominidae)
Rats (Mammalia:Rodentia:Muridae)
Rhesus Macaques (Mammalia:Primates:Cercopithecidae)
Lions (Mammalia:Carnivora:Felidae)
Cheetahs (Mammalia:Carnivora:Felidae)

## UTAH

**Utah State University**
**Department of Fisheries and Wildlife**
**Logan, UT 84322**
CHAIRMAN: Joseph Chapman 801-750-2459
DEGREES: MS, PhD ENROLLMENT: 7
CONTACT: Joseph Chapman

David F. Balph Prof.
Utah State Univ. PhD 1964 801-750-1334
Applied Ethol-Wildlife
Applied Ethol-Domestic Animals
Social Behav-Social Spacing
livestock feeding behavior; communication and social organization
Cattle (Mammalia:Artiodactyla:Bovidae)
Sheep (Mammalia:Artiodactyla:Bovidae)
Finches (Aves:Passeriformes:Fringillidae)
Ground Squirrels (Mammalia:Rodentia:Sciuridae)

Martha H. Balph Research Assoc. Prof
Utah State Univ. PhD 1974
Social Behav-Dominance
social behavior of birds
Junco (Aves:Passeriformes:Emberizidae)
Pine Siskins (Aves:Passeriformes:Fringillidae)
Evening Grosbeaks (Aves:Passeriformes:Emberizidae)

Barrie K. Gilbert Asst. Prof.
Duke Univ. PhD 1970 801-750-2540
Behav Ecol-Territoriality
Applied Ethol-Wildlife
Learning-Habituation/Extinction
functions of territorial behavior; relationships
of man with wildlife
Pronghorn (Mammalia:Artiodactyla:Antilocapridae)
Brown Bears (Mammalia:Carnivora:Ursidae)
Black Bears (Mammalia:Carnivora:Ursidae)

**University of Utah**
**Biology**
**Salt Lake City, UT 84112**
CHAIRMAN: (Presently vacant) 801-581-6517
DEGREES: PhD ENROLLMENT: 2
CONTACT: Ted Gourney, Chairman, Graduate Comm.

John A. Endler Prof.
Univ. of Edingurgh,Scotland PhD 1973 801-581-5539
Behav Ecol-Predator/Prey Interact
Other-Ecological Genetics
Social Behav-Sex and Reproduction
mate choice; evolution of animal color patterns
Guppy (Osteichthyes:Cyprinodontiformes:Poeciliidae)
Cichlids (Osteichthyes:Perciformes:Cichlidae)
Rivulus Hartii (Osteichthyes:Cyprinodontiformes:Cyprinodontidae)
Noctuid Moths (Insecta:Lepidoptera:Noctuidae)
Geometrid Moths (Insecta:Lepidoptera:Geometridae)

## VERMONT

**University of Vermont**
**Wildlife and Fisheries Biology Program**
**Burlington, VT 05405**
CHAIRMAN: David H. Hirth 802-656-2684
DEGREES: MS ENROLLMENT: 3
CONTACT: David H. Hirth

David H. Hirth Assoc. Prof.
Univ. of Michigan PhD 1973 802-656-2684
Behav Ecol-Habitat Selection
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
White-tailed Deer (Mammalia:Artiodactyla:Cervidae)
Coyote (Mammalia:Carnivora:Canidae)

## VIRGINIA

**College of William and Mary**
**Biology**
**Williamsburg, VA 23185**
CHAIRMAN: L.L. Wiseman 804-253-4212
DEGREES: MS ENROLLMENT:
CONTACT: Chair, Graduate Committee

C. Richard Terman Prof.
Michigan State Univ. PhD 1959 804-253-4730
Social Behav
Behav Ecol
Other-Population Dynamics
behavioral ecology of population growth control
and reproductive strategy
Peromyscus (Mammalia:Rodentia:Cricetidae)

**Virginia Polytechnic Institute and State University**
**Biology**
**Blacksburg, VA 24061**
CHAIRMAN: Ernest R. Stout 703-961-6407
DEGREES: MS, PhD
CONTACT: Anne McNabb

Jack A. Cranford Assoc. Prof.
Univ. of Utah PhD 1977 703-961-5371
Behav Ecol
Natural Hist/Descriptive Studies
Social Behav
ecological physiology and behavior of moderate to small rodents; competition, reproduction, and circadian patterns of foremost importance
Deer Mice (Mammalia:Rodentia:Muridae)
Meadow Mice (Mammalia:Rodentia:Muridae)
Punare (Mammalia:Rodentia:Hystricidae)
Marmota (Mammalia:Rodentia:Sciuridae)
Jumping Mice (Mammalia:Rodentia:Zapodidae)

Thomas A. Jenssen Assoc. Prof.
Univ. of Oklahoma PhD 1969 703-961-6246
Behav Ecol
Communication
Natural Hist/Descriptive Studies
social interactions and communication signals of frogs and lizards
Coffee Lizard (Reptilia:Sauria:Iguanidae)
Curly-tailed Lizard (Reptilia:Sauria:Iguanidae)
Bark Lizard (Reptilia:Sauria:Iguanidae)
Green Frog (Amphibia:Salientia:Ranidae)
Spring Peeper (Amphibia:Salientia:Hylidae)

David A. West Assoc. Prof.
Cornell Univ. PhD 1959 703-961-6653
Behav Ecol-Predator/Prey Interact
Evolution/Survival Value
Social Behav-Sex and Reproduction
pupation-site choice; pupal color dimorphism; courtship behavior and sex-limited mimicry
Swallowtail Butterflies (Insecta:Lepidoptera:Papilionidae)

**Virginia Polytechnic Institute and State University**
**Poultry Science**
**Blacksburg, VA 24061**

J.C. Cherry
Applied Ethol-Domestic Animals
Applied Ethol-Husbandry
Neural Mech-Brain Lesions
nutrition; appetite
Quail (Aves:Galliformes:Phasianidae)
Chicken (Aves:Galliformes)

W.B. Gross
Applied Ethol-Domestic Animals
Applied Ethol-Husbandry
Neural Mech-Brain Lesions
veterinary medicine; toxins
Quail (Aves:Galliformes:Phasianidae)
Chickens (Aves:Galliformes)

P.B. Siegel
Applied Ethology-Domestic Animals
Applied Ethology-Husbandry
Neural Mechanisms-Brain lesions
genetics; stress; appetitie; sexual behav; thermoregulation
Quail (Aves:Galliformes:Phasianidae)
Chicken (Aves:Galliformes)

## WASHINGTON

**University of Washington**
**Psychology**
**Seattle, WA 98195**
CHAIRMAN: Stephen C. Woods 206-543-2699
DEGREES: PhD ENROLLMENT: 12
CONTACT: Martha Burns

David P. Barash Prof.
Univ. of Wisconsin, Madison PhD 1970 206-543-8784
Social Behav-Sex and Reproduction
Social Behav-Aggression
Evolution/Survival Value
evolution of animal and human social behavior,
with emphasis on vertebrate sociobiology
Rodents (Mammalia:Rodentia:Sciuridae)
Humans (Mammalia:Primates:Hominidae)

Michael D. Beecher Assoc. Prof.
Boston Univ. PhD 1970 206-543-6545
Communication
Behav Ecol
Sensory Mech-Audition
acoustic communication in birds; kin recognition
Song Birds (Aves:Passeriformes)

Robert C. Bolles Prof.
Univ. of Calif., Berkeley PhD 1956 206-543-2631
Motivation/Emotion
Learning
functional approaches to animal motivation; fear conditioning;
flavor preferences
Rodents (Mammalia:Rodentia:Muridae)

Eric A. Fischer Asst. Prof.
Univ. of Calif., Berkeley PhD 1979 206-543-9888
Social Behav-Sex and Reproduction
Evolution/Survival Value
Behav Ecol-Other (Reproduction)
sex allocation and behavior of tropical and
temperate fishes; behavior and species formation
Fish (Osteichthyes)

Joan S. Lockard Prof.
Univ. of Wisconsin, Madison PhD 1963 206-543-3494
Neural Mech
Human Ethology
human ethology; evolutionary and neural mechanisms of social behavior
Macaques (Mammalia:Primates:Cercopithecidae)
Humans (Mammalia:Primates:Hominidae)

Gene P. Sackett Prof.
Claremont Graduate School PhD 1963 206-543-2500
Development/Ontogeny
Social Behav-Sex and Reproduction
Methodol-Data Collect/Analysis
behavioral development; observational methods in behavioral research; pregnancy outcome and later behavior
Macques (Mammalia:Primates:Cercopithecidae)
Humans (Mammalia:Primates:Hominidae)

**Walla Walla College**
**Biological Science**
**College Place, WA 99324**
CHAIRMAN: Ronald L. Carter 509-527-2603
DEGREES: MA ENROLLMENT: 5
CONTACT: J. Galusha

Charles J. Amlaner, Jr. Asst. Prof.
Oxford Univ. PhD 1982 509-527-2163
Sleep
Neural Mech
Other-Biotelemetry
biotelemetry, its use in evaluating temporal and spatial behavior patterns; sleep functions in birds; optimality theory
Herring Gulls (Aves:Charadriiformes:Laridae)
Glaucous-winged Gulls (Aves:Charadriiformes:Laridae)
Lesser Black-backed Gulls (Aves:Charadriiformes:Laridae)

Nigel J. Ball Post Doc
Oxford Univ. PhD 1983 509-527-2163
Sleep
Behav Ecol
Motivation/Emotion
the adaptive consequences of sleep in wild animals; motivation and time budgets of birds; wariness
Gulls (Aves:Charadriiformes:Laridae)

Joseph G. Galusha Prof.
Oxford Univ. PhD 1975 509-527-2551
Social Behav
Behav Ecol
Human Ethology
aggression and territoriality in gulls; mechanisms of parent-young recognition in gulls
Glaucous-winged Gulls (Aves:Charadriiformes:Laridae)

**Washington State University**
**Department of Psychology**
**Pullman, WA 99164-4830**
CHAIRMAN: Ronald Hopkins 509-335-2631
DEGREES: M.A.,PhD ENROLLMENT: 10
CONTACT: Ronald Hopkins

John M. Hinson Asst. Prof.
Duke Univ. PhD 1981 509-335-1089
Learning-Reinforcement
Learning-Descrimination
Sensory Mechanisms-Other
operant mechanisms - concurrent and multiple schedules
Pigeons(Aves:Columbiformes)
Rats (Mammalia:Rodentia:Muridae)

Frances K. McSweeney Prof.
Harvard Univ. PhD 1974 509-335-3049
Learning-Reinforcement
Learning-Descrimination
Drug Studies
operant and classical conditioning-concurrent and multiple schedules
Pigeon (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

**Washington State University**
**Veterinary & Comparative Anatomy, Physiology & Pharmacology**
**Pullman, WA 99164-6520**
CHAIRMAN: Charles Barnes 509-335-6621
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Mary Alice Dickinson, Coll. of Vet. Medicine, 7010

Dorothy M. Fragaszy Visiting Assoc. Prof
Univ. of Calif., Davis PhD 1978 509-335-3605
Other-Motor Skills
Development/Ontogeny
Feeding/Ingestion
tool-using and problem-solving behavior; prehension and motor control
Tufted Capuchins (Mammalia:Primates:Cebidae)
Crab-eating Macaques (Mammalia:Primates:Cercopithecidae)
Squirrel Monkeys (Mammalia:Primates:Cebidae)
Titi Monkey (Mammalia:Primates:Cebidae)

**Washington State University**
**Zoology**
**Pullman, WA 99164**
CHAIRMAN: Howard Hosick 509-335-3553
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: John Larsen, Chairman of Graduate Studies Commit.

Don E. Miller Assoc. Prof.
Univ. of Wisconsin, Madison PhD 1966 509-335-5631
Social Behav-Parental/Filial
Communication-Acoustic
Communication-Visual
parent-offspring interactions in birds
Ring-billed Gull (Aves:Charadriiformes:Laridae)
Passerines (Aves:Passeriformes)

John N. Thompson Assoc. Prof.
Univ. of Illinois PhD 1977 509-335-7466
Evolution/Survival Value
Behav Ecol - Foraging
Behav Genetics
Evolution of interactions between species,
including coevolution of behaviors
Insects (Insecta)
Butterflies (Insecta:Lepidoptera:Papilionidae)
Moths (Insecta:Lepidoptera)
Parasitoids (Insecta:Hymenoptera)

## WEST VIRGINIA

**West Virginia University**
**Biology**
**Morgantown, WV 26506**
CHAIRMAN: M. W. Schein 304-293-5394
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: M. W. Schein

M. W. Schein Prof.
Johns Hopkins Univ. ScD 1954 304-293-5394
Social Behav
Applied Ethol
Natural Hist/Descriptive Studies
early experience, communication, social behavior; circadian rhythms
Japanese Quail (Aves:Galliformes:Phasianidae)
Domestic Chickens (Aves:Galliformes)
Domestic Cattle (Mammalia:Artiodactyla:Bovidae)

## WISCONSIN

**University of Wisconsin, Madison**
**Entomology**
**Madison, WI 53706**
CHAIRMAN: Jeffrey Wyman 608-262-1696
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Stanley D. Beck

Eric H. Erickson Prof. (USDA Bee Res Unit)
Univ. of Arizona PhD 1970 608-262-1732
Behav Ecol
Communication
Learning
honey bee behavior; crop pollination; bee-plant interactions
Honey bee (Insecta:Hymenoptera:Apidae)

Robert L. Jeanne Prof.
Harvard Univ. PhD 1971 608-262-0899
Communication-Chemical
Social Behav-Other (Eusocial Organ)
Behav Ecol-Predator/Prey Interact
evolution/survival value; natural history; division of labor;
organization of work; pheromones; reproductive behavior;
exocrine glands; defense; foraging; dominance
Social Wasps (Insecta:Hymenoptera:Vespidae)

**University of Wisconsin, Madison**
**Psychology**
**Madison, WI 53706**
CHAIRMAN: Loren Chapman 608-263-0512
DEGREES: PhD ENROLLMENT: 8
CONTACT: Admissions Secretary

Robert E. Bowman Prof.
Univ. of Wisconsin PhD 1962 608-263-3550
Other (Behav Toxicology)
Drug Studies
Methodol
the development of methods to assess the subtle and long-term
effects on behavior of various toxins--lead, halothane, PCB's, etc.
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Rat (Mammalia:Rodentia:Muridae)

Christopher Coe Assoc. Prof.
SUNY, Downstate Med. Center PhD 1976 608-263-3550
Development/Ontogeny
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
parental/filial; effects of social environment on coping behavior, stress hormones, immune system response; hormonal/endocrine control of behavior
Squirrel Monkey (Mammalia:Primates:Cebidae)
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)

David Goldfoot Assoc. Prof.
Univ. of Oregon PhD 1970 608-263-3517
Development/Ontogeny
Social Behav-Sex and Reproduction
Endocrine/Hormonal Mech
interaction between hormonal environment and early social environment of sex role development; role of hormones and experience in adult sexual behavior
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Stump-tail Macaque (Mammalia:Primates:Cercopithecidae)

Robert W. Goy Prof. & Dir., Wis. Reg. Primate Res. Ctr.
Univ. of Kansas PhD 608-263-3500
Endocrine/Hormonal Mech
Social Behav
Development/Ontogeny
effects of early hormonal experience on neural organization and social behavior, esp. sexual, reproductive, aggressive, and parental behavior
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Guinea Pigs (Mammalia:Rodentia:Caviidae)

Susan Mineka Prof.
Univ. of Pennsylvania PhD 1974 608-262-3918
Learning
Motivation/Emotion
Social Behav-Parental/Filial
effects of early exper. on control/mastery on subsequent coping behavior; acquisition/transmission of snake phobia in monkeys; animal models of neuroses
Rhesus Macaque (Mammalia:Primates:Cercopithecidae)
Rat (Mammalia:Rodentia:Muridae)

Charles T. Snowdon Prof. (Psych & Zool)
Univ. of Pennsylvania PhD 1968 608-262-3974
Communication
Endocrine/Hormonal Mech
Social Behav
acoustic and chemical communication; breeding biology and behavior; social contraception; parental care; social development in endangered species
Pygmy Marmoset (Mammalia:Primates:Callitrichidae)
Cotton-top Tamarin (Mammalia:Primates:Callitrichidae)

**University of Wisconsin, Madison**
**Zoology**
**Madison, WI 53706**
CHAIRMAN: Walter Plaut 608-262-1051
DEGREES: MS, PhD ENROLLMENT: 12
CONTACT: W. Plaut or J.R. Baylis

Jeffrey R. Baylis Assoc. Prof.
Univ. of Calif., Berkeley PhD 1974 608-263-5134
Evolution/Survival Value
Social Behav-Sex and Reproduction
Communication
evolution of courtship behavior and parental care;
evolution of communications
Fish (Osteichthyes)
Birds (Aves:Passeriformes)
Bees (Insecta:Hymenoptera)
Domestic Animals (Mammalia)

Jack P. Hailman Prof.
Duke Univ. PhD 1964 608-262-2636
Communication
Sensory Mech
Development/Ontogeny
behavioral mechanisms of social structure; general
field ethology; phototactic behavior; linguistic
aspects of animal communication; animal coloration
Scrub Jays (Aves:Passeriformes:Corvidae)
Tits (Aves:Passeriformes:Paridae)
Frogs (Amphibia:Anura)
Toads (Amphibia:Anura)
Coral Reef Fishes (Osteichthyes)

**University of Wisconsin, Milwaukee**
**Biological Sciences**
**Milwaukee, WI 53201**
CHAIRMAN: Ethel Sloane 414-963-4214
DEGREES: MS, PhD ENROLLMENT: 15
CONTACT: Ethel Sloane

John D. Buntin Asst. Prof.
Rutgers Univ. PhD 1975 414-963-4150
Endocrine/Hormonal Mech
Social Behav-Parental/Filial
Social Behav-Sex and Reproduction
effects of prolactin on behavior and brain function, esp. in
regulating parental behavior, physiological adaptations associated
with care of young
Ring Dove (Aves:Columbiformes:Columbidae)
Golden Hamster (Mammalia:Rodentia:Cricetidae)

Millicent S. Ficken Prof.
Cornell Univ. PhD 1969 414-963-4363
Communication
Behav Ecol
Social Behav
bird vocalizations and social behavior; acoustic
and visual communication; dominance and aggression
Chickadees (Aves:Passeriformes:Paridae)
Warblers (Aves:Passeriformes:Parulidae)

Roslyn P. Warren Prof.
New York Univ. PhD 1954 414-963-4889
Applied Ethol-Other(Zoo Animals)
Feeding/Ingestion
Endocrine/Hormonal Mech
behavior of zoo animals; development of taste preferences;
ingestive behavior
Hamster (Mammalia:Rodentia:Cricetidae)
Mouse (Mammalia:Rodentia:Muridae)
Guinea Pigs (Mammalia:Rodentia:Caviidae)
Ungulates (Mammalia:Primates)
Carnivores (Mammalia:Carnivora)

Charles M. Weise Prof.
Univ. of Illinois PhD 1956 414-963-4373
Behav Ecol
Endocrine/Hormonal Mech
Social Behav
behavioral effects on population regulation;
migration physiology and behavior
Black-capped Chickadee (Aves:Passeriformes:Paridae)
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Water Fowl (Aves:Anseriformes)
Birds of Prey (Aves:Falconiformes)
Other Birds (Aves:Strigiformes)

## WYOMING

**University of Wyoming**
**Zoology and Physiology**
**Laramie, WY 82071**
CHAIRMAN: Nancy Stanton 307-766-4207
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Nancy Stanton

Stanley H. Anderson Prof.
Oregon State Univ. PhD 1970 307-766-5415
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Behav Ecol-Territoriality
habitat selection of birds and mammals; community interactions of wildlife
Birds (Aves:Falconiformes)
Birds (Aves:Passeriformes)
Mammals (Mammalia:Artiodactyla)
Carnivores (Mammalia:Carnivora)
Rodents (Mammalia:Rodentia)

Mark S. Boyce Assoc. Prof.
Yale Univ. PhD 1977 307-766-5373
Behav Ecol-Other (Mating Syst Evol)
Behav Ecol-Habitat Selection
Evolution/Survival Value
evolution of lek behavior; life history evolution
Sage Grouse (Aves:Galliformes:Tetraonidae)
Muskrats (Mammalia:Rodentia:Cricetidae)
Elk (Mammalia:Artiodactyla:Cervidae)

Steven W. Buskirk Asst. Prof.
Univ.of Alaska PhD 1983 307-766-2357
Applied Ethol-Wildlife
Behav Ecol-Habitat Selection
Behav Ecol-Predator-Prey Interact
life history correlates of habitat specialization in carnivora; spatial distribution; propagation of endangered species
American Marten (Mammalia:Carnivora:Mustelidae)
Black-footed Ferrets (Mammalia:Carnivora:Mustelidae)
Long-tailed Weasels (Mammalia:Carnivora:Mustelidae)

David Duvall Asst. Prof.
Colorado PhD 1980 307-766-5299
Communication
Behav Ecol
Evolution/Survival Value
evolution and ecology of communication; habitat and community effects on behavioral adaptation and strategy; natural history; temperate zone herpetology
Prairie Rattlesnakes (Reptilia:Serpentes:Crotalidae)
Spiny Lizards (Reptilia:Sauria:Iguanidae)

# PUERTO RICO

**University of Puerto Rico, Mayaguez**
**Marine Sciences**
**Mayaguez, PR 00667**
CHAIRMAN: Manuel Hernandez-Avila 809-834-4040
DEGREES: MS, PhD ENROLLMENT: 7
CONTACT: Douglas Y. Shapiro

Carlos A. DeLannoy Asst. Prof.
Univ. of Colorado PhD 1984 809-834-4040
Behav Ecol
Social Behav
Natural Hist/Descriptive Studies
foraging; predator/prey interactions; habitat selection; sex and reproduction
Cattle Egret (Aves:Ciconiiformes:Ardeidae)
Sharp-shinned Hawk (Aves:Falconiformes:Accipitridae)
Elfin Woods Warbler (Aves:Passeriformes:Parulidae)

Allen R. Lewis Assoc. Prof.
Univ. of Rochester PhD 1979 809-834-4040
Behav Ecol
Evolution/Survival Value
Natural Hist/Descriptive Studies
behavioral ecology of vertebrates; foraging; predator/prey interactions; habitat selection
Lizards (Reptilia:Lacertilia:Teiidae)
Squirrels (Mammalia:Rodentia:Sciuridae)

**University of Puerto Rico, Mayaguez**
**Biology**
**Mayaguez, PR 00708**
CHAIRMAN: Fernando Cofresi 809-834-4040 ext 2421
DEGREES: MS ENROLLMENT: 3
CONTACT: Reynaldo Caban

Kathleen S. Cole Asst. Prof.
Univ. of Alberta PhD 1982 809-899-3140
Social Behav-Sex and Reproduction
Social Behav-Social Spacing
Development/Ontogeny
sex reversal and social behavior; endocrine mechanisms of spawning behavior and sex reversal; chemical communication
Gobies (Osteichthyes:Perciformes:Gobiidae)
Trout(Osteichthyes:Salmoniformes:Salmonidae)

Milbrey Leighton-Shapiro Res. Assoc.
University of Cambridge, UK PhD 1985 809-899-3140
Social Behav-Social Spacing
Behav Ecol-Foraging
Evolution/Survival Value
individual differences vs. group patterns; evolution of grouping pattes, proximate mechanisms maintaining such patterns; inter-independent relationships
Macques (Mammalia:Primates:Cercopithecidae)
Leaf Monkeys (Mammalia:Primates:Cercopithecidae)
Coral Reef Fish(Osteichthyes:Perciformes:Serranidae)
Herons/Egrets (Aves:Ciconiiformes)
Anis (Aves:Cuculiformes)

Yvonne Sadovy Technician
Univ. of Manchester PhD 1985
Social Behav-Aggression
Social Behav-Social Spacing
Social Behav-Sex and Reproduction
sexual development; environmental influence on sexual expression; social structure and intraspecific aggression
Bi-color Damselfish (Osteichthyes:Perciformes:Pomacentridae)
Red Hind (Osteichthyes:Perciformes:Serranidae)

Douglas Y. Shapiro Assoc. Prof.
Cambridge Univ. PhD 1977 809-899-3140
Social Behav-Sex and Reproduction
Social Behav-Social Spacing
Evolution/Survival Value
behavioral control of sex reversal; development and function of social groups; intergroup spacing; territoriality; endocrine/hormonal mechanis
Anthios (Osteichthyes:Perciformes:Sevronidae)
Red Hind (Osteichthyes:Perciformes:Sevronidae)
Gobies (Osteichthyes:Perciformes:Gobiidae)
Bluehead Wrasse (Osteichthyes:Perciformes:Labridae)
Vervets (Mammalia:Primates:Cercopithecidae)

# CANADA

## ALBERTA

**University of Alberta**
**Anthropology**
**Edmonton, Alberta T6G 2H4**
CHAIRMAN: M. Asch 403-432-3879
DEGREES: MA, PhD ENROLLMENT: 5
CONTACT: M. Asch, Chairman, Dept. of Anthropology

L.M. Fedigan Assoc. Prof.
Univ. of Texas PhD 1974 403-432-5899
Social Behav-Sex and Reproduction
Natural Hist/Descriptive Studies
Other-Analysis of Social Systems
Japanese Monkeys (Mammalia:Primates:Cercopithecidae)
White-faced Capuchins (Mammalia:Primates:Cebidae)
Red Spider Monkeys (Mammalia:Primates:Cebidae)
Mantled Howling Monkeys (Mammalia:Primates:Cebidae)
Vervet Monkeys (Mammalia:Primates:Cercopithecidae)

**University of Alberta**
**Zoology**
**Edmonton, Alberta T6G 2E9**
CHAIRMAN: R.E. Peter 403-432-3464
DEGREES: MS, PhD ENROLLMENT: 18
CONTACT: Associate Chairman, Dept. of Zoology

David A. Boag Prof.
Washington State Univ. PhD 1964 403-432-3633
Behav Ecol-Territoriality
Social Behav-Dominance
Social Behav-Social Spacing
dispersal as a population attribute--its causes and consequences
Grouse (Aves:Galliformes:Phasianidae)
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Pond Snails (Gastropoda:Pulminata:Lymnacidae)
Pond Snails (Gastropoda:Pulminata:Planorbidae)
Pond Snails (Gastropoda:Pulminata:Physidae)

Susan Hannon Asst. Prof.
Univ. of British Columbia PhD 1982 403-432-4741
Behav Ecol
Social Behav
Communication
aggressive behavior; evolution of mating systems; spacing behavior and population regulation; social strategies of females
Grouse (Aves:Galliformes:Tetraonidae)
Corvids (Aves:Passeriformes:Corvidae)
Chickadees (Aves:Passeriformes:Paridae)

Jan O. Murie Prof.
Pennsylvania State Univ. PhD 1967 403-432-3649
Behav Ecol
Social Behav
Communication
social spacing and interactions; scent and acoustic communication; comparative life history tactics; dispersal and philopatry
Ground Squirrels (Mammalia:Rodentia:Sciuridae)

J.R. Nursall Prof.
Univ. of Wisconsin PhD 1953 403-432-4265
Natural Hist/Descriptive Studies
Behav Ecol-Territoriality
Behav Ecol-Foraging
coral reef fishes; mangrove fishes
Redlip Blenny (Osteichthyes:Perciformes:Blenniidae)
Mudskippers (Osteichthyes:Perciformes:Gobiidae)

A.N. Spencer Assoc. Prof.
Univ. of Victoria PhD 1971 403-432-2373
Neural Mech
Locomotion
Sensory Mech
neuronal basis of behavior in lower invertebrates, esp. the Cnidaria
Jellyfish (Cnidaria:Hydrozoa:Hydroida:Anthomedusae)
Sea-butterfly (Mollusca:Gastropoda:Thecosomata)

Norm Stacey Assoc. Prof.
Univ. of British Columbia PhD 1977 403-432-5497
Endocrine/Hormonal Mech
Communication-Chemical
Neural Mech
hormonal regulation of reproductive behaviors;
hormone changes associated with sexual behavior;
control, action of fish reproductive pheromones
Goldfish (Osteichthyes:Cypriniformes:Cyprinidae)
Cichlid (Osteichthyes:Perciformes:Cichlidae)
Longnose Sucker (Osteichthyes:Cypriniformes:Catostomidae)

**University of Calgary**
**Biology**
**Clagary, Alberta T2N 1N4**
CHAIRMAN: R.W. Davies 403-284-5260
DEGREES: MS, PhD ENROLLMENT: 20
CONTACT: V. Preuter, Graduate Secretary

Robert M.R. Barclay Asst. Prof.
Carleton Univ. PhD 1981 403-284-5268
Behav Ecol-Foraging
Communication-Acoustic
Social Behav-Parental/Filial
foraging strategies and social communication; echolocation and acoustic communication; nocturnal behavior
Bats (Mammalia:Chiroptera)
Birds (Aves:Passeriformes)

Joseph M. Culp Asst. Prof.
Univ. of Calgary PhD 1982 403-284-6937
Behav Ecol-Predator/Prey Interact
Behav Ecol-Foraging
Behav Ecol-Habitat Selection
effects of predation by benthic-feeding fish on
stream macro-invertebrates
Coho Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Longnose Dace (Osteichthyes:Cypriniformes)

Valerius Geist Prof.
Univ. of British Columbia PhD 1966 403-284-6601
Social Behav
Evolution/Survival Value
Natural Hist/Descriptive Studies
ethology of ruminants
Bovids (Mammalia:Artiodactyla:Bovidae)
Deer (Mammalia:Artiodactyla:Cervidae)

Stephen Herrero Prof.
Univ. California PhD 1967 403-284-6605
Natural Hist/Descriptive Studies
Behav Ecol-Habitat Selection
Behav Ecol-Predator/Prey Interact
behavioral ecology of carnivores
Grizzly Bear (Mammalia:Carnivora:Ursidae)
Black Bear (Mammalia:Carnivora:Ursidae)
Swift Fox (Mammalia:Carnivora:Canidae)
Carnivores (Mammalia:Carnivora)

M. Ross Lein Assoc. Prof.
Harvard Univ. PhD 1973 403-284-6549
Communication-Acoustic
Behav Ecol-Foraging
Behav Ecol-Territoriality
evolution of vocal communication repertoires in passerines;
song dialects and their significance; behavioral ecology of
birds of prey
Sparrows (Aves:Passeriformes:Emberizidae)
Warblers (Aves:Passeriformes:Parulidae)
Hawks (Aves:Falconiformes:Accipitridae)
Owls (Aves:Strigiformes:Strigidae)

Robin E. Owen Asst. Prof.
Univ. of Toronto PhD 1982 403-284-6910
Social Behav-Other (Sociobiology)
Methodol-Theoretical Models
Evolution/Survival Value
sociobiology of bumblebees; sex ratio evolution in bumblebees;
kin selection theory; mimicry
Bumble Bees (Insecta:Hymenoptera:Apidae)
Parasitic Wasps (Insecta:Hymenoptera:Braconidae)

F. J. Wrona Asst. Prof.
Univ. of Calgary PhD 1982 403-284-6790
Behav Ecol-Foraging
Behav Ecol-Predator/Prey Interact
Behav Ecol-Territoriality
foraging behavior and population ecology of freshwater Turbellaria
and stream macroinvertebrates
Flatworms (Platyhehminthes:Turbellaria)
Stoneflies (Insecta:Plecoptera)
Caddisflies (Insecta:Tricoptera)

# BRITISH COLUMBIA

**Simon Fraser University**
**Biological Sciences**
**Burnaby, British Columbia V5A 1S6**
CHAIRMAN: K.K. Nair 604-291-3535
DEGREES: MS, PhD ENROLLMENT: 18
CONTACT: Larry Dill, 604-291-3664

Lawrence M. Dill Assoc. Prof.
Univ. of British Columbia PhD 1972 604-291-3664
Behav Ecol
Evolution/Survival Value
Social Behav
development and laboratory testing of optimality models of foraging; predator-avoidance and territorial behaviors
Coho Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Water Strider (Insecta:Hemiptera:Gerridae)
Ducks-Mergansers (Aves:Anseriformes:Anatidae)

Mart R. Gross Asst. Prof.
Univ. of Utah PhD 1980 604-291-4627
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol
reproductive strategy and life history evolution
Sunfish (Osteichthyes:Perciformes:Centrarchidae)
Salmon (Osteichthyes:Salmoniformes:Salmonidae)

Alton S. Harestad Asst. Prof.
Univ. of British Columbia PhD 1979 604-291-4809
Behav Ecol
Applied Ethol-Wildlife
Natural Hist/Descriptive Studies
wildlife; habitat selection; foraging behavior; migration
Ground Squirrels (Mammalia:Rodentia:Sciuridae)
Deer (Mammalia:Artiodactyla:Cervidae)
Wolverine (Mammalia:Carnivora:Mustelidae)
Woodpeckers (Aves:Piciformes)

Bernie D. Roitberg Asst. Prof.
Univ. of Massachusetts PhD 1982 604-291-3585
Behav Ecol
Evolution/Survival Value
Behav Ecol-Foraging
plant-insect interaction; parasite behavioral ecology; host-marking pheromones; foraging behavior
Oregon Grape Fly (Insecta:Diptera:Tephritidae)
Rose Hip Maggot (Insecta:Diptera:Tephritidae)
Apple Maggot (Insecta:Diptera:Tephritidae)
Pea Aphid (Insecta:Homoptera:Aphididae)
Cabbage Aphid (Insecta:Homoptera:Aphididae)

Robert Craig Sargent Postdoc. (NATO)
SUNY, Stony Brook PhD 1981 604-291-4471
Behav Ecol
Evolution/Survival Value
Social Behav-Parental/Filial
evolution and behavioral ecology of parental care strategies; effects of parental care on the optimal egg size
Stickleback (Osteichthyes:Gasterosteiformes:Gasterosteidae)
Coho Salmon (Osteichthyes:Salmoniformes:Salmonidae)

Mark Winston Assoc. Prof.
Univ. of Kansas PhD 1978 604-291-4459
Evolution/Survival Value
Communication-Chemical
Natural Hist/Descriptive Studies
life history, caste structure, reproduction in social insects; pheromones of honey bees and their pests; sublethal pesticide impact on pollinators
Honey Bees (Insecta:Hymenoptera:Apidae)
Bee Pollinators (Insecta:Hymenoptera)
Wax Moths (Insecta:Lepidoptera:Phycitidae)

Ronald C. Ydenberg Postdoc.
Oxford Univ. PhD 1982 604-291-4392
Behav Ecol
Social Behav
Evolution/Survival Value
foraging behavior, its design, integration with other behavior, link with social behavior; rules for foragers; seaducks and their prey
Seaducks (Aves:Anseriformes:Anatidae)
Black Terns (Aves:Charadriiformes:Laridae)
Steller's Jays (Aves:Passeriformes:Corvidae)
Bivalves (Mollusca:Pelecypoda)

**University of British Columbia**
**Poultry Science**
**Vancouver, British Columbia V6T 2A2**
CHAIRMAN: D.B. Bragg 604-228-4428
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: K.M. Cheng

Kimberly M. Cheng Assoc. Prof.
Univ. of Minnesota PhD 1978 604-228-2480
Social Behav-Sex and Reproduction
Applied Ethol
Behav Ecol
mating behavior; mating systems; social interactions and management; sperm competition; evolution and survival value; behavioral genetics
Chickens (Aves:Galliformes)
Japanese Quail (Aves:Galliformes:Phasianidae)
Pigeons (Aves:Columbiformes:Columbidae)
Waterfowl (Aves:Anseriformes)
Chinese Painted Quail (Aves:Galliformes)

**University of British Columbia**
**Zoology**
**Vancouver, British Columbia V6T 2A9**
CHAIRMAN: G.G.E. Scudder 604-228-2131
DEGREES: MS, PhD ENROLLMENT: 10
CONTACT: Graduate Admissions Secretary

C. Lee Gass Assoc. Prof.
Univ. of Oregon PhD 1974 604-228-5844
Behav Ecol
Methodol-Data Collect/Analysis
Other-Animal Intelligence
economics of territoriality; cognitive mechanisms in foraging; tracking variable environments; real-time data acquistion and process control; spatial and temporal pattern recognition
Rufous Hummingbird (Aves:Apodiformes:Trochilidae)
Calliope Hummingbird (Aves:Apodiformes:Trochilidae)

N. R. Liley Prof.
Oxford Univ. PhD 1963 604-228-3224
Endocrine/Hormonal Mech
Social Behav-Sex and Reproduction
Evolution/Survival Value
endocrine control of spawning in trout; social and endocrine mechanisms in sex reversal in coral reef fish; significance of microgeographic variation in behavior of guppy
Rainbow Trout(Osteichthyes:Salmoniformes:Salmonidae)
Blue Gourami(Osteichthyes:Perciformes:Anabantidae)
Stoplight Parrotfish(Osteichthyes:Perciformes:Scaridae)
Sand Tilefish(Osteichthyes:Perciformes:Malacanthidae)
Guppy(Osteichthyes:Atheriniformes:Poeciliidae)

## MANITOBA

**University of Manitoba**
**Psychology**
**Winnipeg, Manitoba R3T 2N2**
CHAIRMAN: Michel Janisse 204-474-9338
DEGREES: MA, PhD ENROLLMENT: 4
CONTACT: L. James Shapiro, Avian Behav. Lab., Dept. Psych.

L. James Shapiro Assoc. Prof.
Texas Christian Univ. PhD 1970 204-474-8257
Social Behav-Parental/Filial
Natural Hist/Descriptive Studies
Evolution/Survival Value
avian attachment behavior using wild waterfowl in natural and laboratory settings
Mallard Duck (Aves:Anseriformes:Anatidae)
Canada Goose (Aves:Anseriformes:Anatidae)

## NEWFOUNDLAND

**Memorial University**
**Biology**
**St. John's, Newfoundland A1B 3X9**
CHAIRMAN: (open) 709-737-7527
DEGREES: MS, PhD ENROLLMENT:
CONTACT: John M. Green

John M. Green Prof.
Univ.of British Columbia PhD 1968 709-737-7527
Behav Ecol-Foraging
Social Behav-Sex and Reproduction
Behav Ecol-Orient/Nav/Migrat/Homing
behavioral ecology of fishes
Cunner (Osteichthyes:Perciformes:Labridae)
Trout (Osteichthyes:Perciformes:Salmonidae)
Lumpfish (Osteichthyes:Perciformes:Cyclopteridae)

Carolyn Harley Assoc. Prof.
Univ. of Oregon PhD 1973 709-737-7974
Neural Mech
Neural Mech-Neurophysiol Correlates
Learning-Memory
hippocampal function; influence of brain stem and hypothalmic inputs on long-term changes in hippocampus
Rat (Mammalia:Rodentia:Cricetidae)

**Memorial University**
**Newfoundland Institute for Cold Ocean Science**
**St. John's, Newfoundland A1B 3X9**
CHAIRMAN: R. Haedrich 709-753-5495
DEGREES: MS, PhD ENROLLMENT: 12
CONTACT: R. Haedrich

W.A. Montevecchi Assoc. Prof.
PhD 1975 709-737-7673
Social Behav-Parental/Filial
Behav Ecol-Foraging
Miscellaneous/Other-Temperature Reg.
parental investment;
North Atlantic Seabirds
Gannets (Aves:Pelecaniformes:Sulidae)
Cormorants (Aves:Pelecaniformes:Phalacrocoracidae)
Alcids (Aves:Charadriiformes:Alcidae)
Gulls (Aves:Charadriiformes:Laridae)

**Memorial University**
**Psychology**
**St. John's, Newfoundland A1B 3X9**
CHAIRMAN: John Strawbridge 709-737-8495
DEGREES: MS, PhD ENROLLMENT: 12
CONTACT: Deane Renouf

Robert Adamec Assoc. Prof.
McGill Univ. PhD 1974 709-737-8771
Neural Mech-Brain Stimulation
Neural Mech-Neurophysiol Correlates
Social Behav
aggression;defense
Domestic Cat (Mammalia:Carnivora:Felidae)

Jon Lien Prof.
Washington State Univ. PhD 1972 709-753-5495
Man/animal applied behavior problem
Humpback Whale (Mammalia:Cetacea:Balaenopteridae)
Basking Shark (Chondrichthyes:Pleurotremata)

Gerald M. Martin Asst. Prof.
Australian National Univ. PhD 1980 709-737-7584
Feeding/Ingestion
Drug Studies
Learning
food aversion learning
Chickens (Aves:Galliformes)
Rats (Mammalia:Rodentia:Muridae)

Dean Renouf Assoc. Prof.
Dalhousie Univ PhD 1978 709-737-8414
Social Behav
Sensory Mech
Play
Harbor Seal (Mammalia:Pinnipedia:Phocidae)
Grey Seal (Mammalia:Pinnipedia:Phocidae)

Ann E. Storey Asst. Prof.
Rutgers Univ. PhD 1978 709-737-7665
Social Behav-Sex and Reproduction
Communication
Evolution/Survival Value
repoductive behavior and mate choice
Manx Shearwaters (Aves:Procellariiformes:Procellariidae)
Meadow Voles (Mammalia:Rodentia:Cricetidae)

# NOVA SCOTIA

**Dalhousie University**
**Psychology**
**Halifax, Nova Scotia B3H 4J1**
CHAIRMAN: R.S. Rodger 902-424-3839
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: V. LoLordo or S. Nakajima

Richard E. Brown Assoc. Prof.
Dalhousie Univ. PhD 1976 902-424-3647
Communication
Endocrine/Hormonal Mech
Social Behav
development and hormonal control of olfaction, ultrasonic communication, parental and sexual behaviour in rodents
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Gerbils (Mammalia:Rodentia:Cricetidae)
Hamsters (Mammalia:Rodentia:Cricetidae)

James W. Clark Assoc. Prof.
Quebec Univ. PhD 1958 902-424-3434
Other-History
history of comparative psychology

Roger Croll Research Fellow
McGill Univ. PhD 1978 902-424-6417
Neural Mech
Sensory Mech
Feeding/Ingestion
cellular mechanisms underlying behavior in gastropods
Sea Slug (Mollusca:Gastropoda)
Pleurobranchia (Mollusca:Gastropoda)

John C. Fentress Prof.
Cambridge Univ. PhD 1965 902-424-2522
Development/Ontogeny
Neural Mech-Motor Control
Social Behav
organization and development of mammalian behavior patterns
Mice (Mammalia:Rodentia:Muridae)
Wolves (Mammalia:Carnivora:Canidae)
Coyotes (Mammalia:Carnivora:Canidae)

Werner K. Honig Prof.
Duke Univ. PhD 1958 902-424-3426
Learning-Complex
Learning-Memory
cognitive aspects of learning and memory in animals
Pigeons (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

Vincent M. LoLordo Prof.
Pennsylvania PhD 1976 902-424-3441
Learning
Drug Studies
biological factors in conditioning and learning
Rats (Mammalia:Rodentia:Muridae)

Bruce R. Moore Assoc. Prof.
Stanford Univ. PhD 1971 902-424-3428
Behav Ecol-Orient/Nav/Migrat/Homing
Communication-Acoustic
Learning
avian navigation; biological constraints on learning
Homing Pigeons (Aves:Columbiformes:Columbidae)
African Grey Parrot (Aves:Psittaciformes:Psittacidae)

Robert S. Rodger Prof.
Belfast PhD 1961 902-424-3839
Methodol-Data Analysis
statistical methods for analysis of behavior sequences

Benjamin Rusak Assoc. Prof.
Univ. of Calif., Berkeley PhD 1975 902-424-2159
Biological Rhythms
Neural Mech
Sensory Mech-Vision
neural regulation of biological rhythms
Hamster (Mammalia:Rodentia:Cricetidae)

Marcia Spetch Research Fellow
Univ. of British Columbia PhD 1981 902-424-7025
Learning-Memory
Other-Time Perception
perception and memory of time; working memory;
reinforcement probability
Pigeons (Aves:Columbiformes:Columbidae)

Dallas Treit Research Fellow
Univ. of British Columbia PhD 1981 902-424-7026
Learning-Avoidance
Drug Studies
psychopharmacology of anti-anxiety agents; factors
in the control of feeding
Rats (Mammalia:Rodentia:Muridae)

Lilyan E. White Instructor
Cambridge Univ. PhD 1978 902-424-2100
Social Behav
Development/Ontogeny
Other-Cognitive Performance
sex and reproduction; parental/filial interaction; play; concept
formation and classification into "natural" categories, incl.
classification of behavior patterns; social development
Savannah Baboons (Mammalia:Primates:Cercopithecidae)

**Nova Scotia Agricultural College**
**Animal Science**
**Truro, Nova Scotia B2N 5E5**
CHAIRMAN: Lorne M. Cock 902-895-1571
DEGREES: MS ENROLLMENT:
CONTACT: Lorne M. Cock

Tarjei Tennessen Asst. Prof.
Univ. of Alberta PhD 1983 902-895-1571
Applied Ethol-Domestic Animals
Applied Ethol-Wildlife
effects of early experience on later behavior, and responses to man;
interaction between animal behavior and the design of animal facilitie
Cattle (Mammalia:Artiodactyla:Bovidae)
Bison (Mammalia:Artiodactyla:Bovidae)
Pigs (Mammalia:Artiodactyla:Suidae)
Poultry (Aves:Galliformes:Phasianidae)

# ONTARIO

**Brock University**
**Biological Sciences**
**St. Catharines, Ontario L2S 3A1**
CHAIRMAN: P. Nicholls 416-688-5550
CONTACT: Ralph D. Morris

W.H. Cade Assoc. Prof.
Univ. of Texas, Austin PhD 1976 416-688-5550
Communication
Social Behav
Behav Genetics
sexual selection of crickets
Crickets (Insecta:Orthoptera:Gryllidae)
Earwigs (Insecta:Dermaptera:Forficulidae)

Richard Knapton Asst. Prof.
Univ. of Manitoba PhD 1978 416-688-5550
Behav Ecol
Communication
Social Behav
evolution of polygyny; behavioral, environmental factors in female choice of male; parental contributions to feeding young
E. Meadowlark (Aves:Passeriformes:Emberizidae)
Hermit Thrush (Aves:Passeriformes:Turdidae)
House Finch (Aves:Passeriformes:Fringillidae)
Chryxus Arctic (Insecta:Lepidoptera:Satyridae)

Ralph D. Morris Assoc. Prof.
Univ. of Saskatchewan PhD 1970 416-688-5550
Behav Ecol
Social Behav-Sex and Reproduction
Social Behav-Parental/Filial
mate choice, parental care in colonial-nesting seabirds
Common Terns (Aves:Charadriiformes:Laridae)
Herring Gulls (Aves:Charadriiformes:Laridae)
Brown Noddy (Aves:Charadriiformes:Laridae)

**Queen's University, Kingston**
**Biology**
**Kingston, Ontario K7L 3N6**
CHAIRMAN: David Dennis 613-547-6675
DEGREES: MS, PhD ENROLLMENT: 20
CONTACT: P. Young, Graduate Chairman

Patrick Colgan Prof.
Cornell Univ. PhD 1971 613-547-2849
Feeding/Ingestion
Social Behav
Learning
temporal patterning of feeding; mating systems; ontogeny
Fish (Osteichthyes)

Robert D. Montgomerie Asst. Prof.
McGill Univ. PhD 1979 613-547-6114
Behav Ecol
Social Behav
Evolution/Survival Value
sexual selection; parental care; territoriality; foraging behavior; alternate reproductive tactics
Lapland Longspur (Aves:Passeriformes:Emberizidae)
Snow Bunting (Aves:Passeriformes:Emberizidae)
Hummingbirds (Aves:Apodiformes:Trochilidae)
Damselflies (Insecta:Odonata:Calopterygidae)
Bumble Bees (Insecta:Hymenoptera:Bombidae)

**University of Guelph**
**Environmental Biology**
**Guelph, Ontario N1G 2W1**
CHAIRMAN: Susan McIver 519-824-4120
DEGREES: MS, PhD ENROLLMENT: 4
CONTACT: Gard Otis

Gard W. Otis Asst. Prof.
Univ. of Kansas PhD 1980 519-824-4120
Social Behav-Sex and Reproduction
Evolution/Survival Value
Natural Hist/Descriptive Studies
swarming behavior and mating of honeybees; ess's in nesting in bees; behavioral control of glandular development; butterfly movements
Honey bee (Insecta:Hymenoptera:Apidae)
Bees (Insecta:Hymenoptera:Apidae)
Bees (Insecta:Hymenoptera:Colletidae)
Halictid Bees (Insecta:Hymenoptera:Halictidae)
Butterflies (Insecta:Lepidoptera:Nymphalidae)

**University of Guelph**
**Zoology**
**Guelph, Ontario N1G 2W1**
CHAIRMAN: R.C. Anderson 519-824-4120 ext 3835
DEGREES: MS, PhD ENROLLMENT: 11
CONTACT: Chairman, Graduate Studies Committee, Dept. Zool.

E. D. Bailey Assoc. Prof.
Pennsylvania State Univ. PhD
Communication-Acoustic
Development/Ontogeny
ontogeny of communication
Bobwhite Quail (Aves:Galliformes:Phasianidae)

R. J. Brooks Assoc. Prof.
Univ. of Illinois PhD
Social Behav
Social Behav-Other (Sociobiology)
Social Behav-Sex and Reproduction
reproductive strategies of microtines
Microtus (Mammalia:Rodentia:Cricetidae)
Lemming (Mammalia:Rodentia:Cricetidae)

D. L. G. Noakes Assoc. Prof.
Univ. of Calif., Berkeley PhD
Social Behav
Behav Ecol
Behav Ecol-Habitat Selection
fish habitat selection and reproduction
Trout (Osteichthyes:Salmoniformes:Salmonidae)

**University of Toronto**
**Psychology**
**Toronto, Ontario M5S 1A1**
CHAIRMAN: J.L. Freedman (until June, 1985) 416-978-3406
DEGREES: MS, PhD ENROLLMENT: 3
CONTACT: Director of Grad. Admissions, Dept. of Psychology

Luc-Alain Giraldeau Lecturer
McGill Univ. PhD 1985 416-978-3409
Behav Ecol
Learning
Behav Ecol-Foraging
Dynamics of learning in groups; function of group foraging; cultural transmission
Feral Pigeon (Aves:Columbiformes:Columbidae)
Chipmunk (Mammalia:Rodentia:Sciuridae)

Jerry A. Hogan Prof.
Harvard Univ. PhD 1961 416-978-3409
Motivation/Emotion
Development/Ontogeny
Feeding/Ingestion
development of feeding in young chicks; interaction of incubation and feeding in broody hens; interaction of aggression and hunger in fighting fish
Siamese Fighting Fish (Osteichthyes:Perciformes:Anabantidae)
Burmese Junglefowl (Aves:Galliformes)

David Sherry Asst. Prof.
Univ. of Toronto PhD 1978 416-978-3409
Behav Ecol
Learning
Neural Mech
spatial memory, foraging, food storing
Black-capped Chickadee (Aves:Passeriformes:Paridae)
Killdeer (Aves:Charadriiformes:Charadriidae)

Sara J. Shettleworth Prof.
Univ. of Toronto PhD 1970 416-978-3409
Learning
Behav Ecol-Foraging
Learning-Memory
role of learning in foraging; memory in foodstoring birds
Pigeon (Aves:Columbiformes:Columbidae)
Chickadee (Aves:Passeriformes:Paridae)

**University of Toronto**
**Zoology**
**Toronto, Ontario M5S 1A1**
CHAIRMAN: Betty I. Roots 416-978-3470
DEGREES: MS, PhD ENROLLMENT:
CONTACT: Graduate Secretary

D. W. Dunham Prof.
Cornell Univ. PhD 1964 416-978-3496
Communication
Social Behav
functional analysis of communication systems
Crayfishes (Crustacea:Decapoda:Astacidae)
Crayfishes (Crustacea:Decapoda:Cambaridae)
Hermit Crabs (Crustacea:Decapoda:Paguridae)
Hermit Crabs (Crustacea:Decapoda:Diogenidae)
Freshwater Fishes (Osteichthyes)

**University of Western Ontario**
**Zoology**
**London, Ontario N6A 5B7**
CHAIRMAN: M. Locke 519-679-3151
DEGREES: MS, PhD ENROLLMENT: 8
CONTACT: Chairman, Graduate Education Committee

Miles H.A. Keenleyside Prof.
Univ. of Groningen, Holland PhD 1955 519-679-2293
Social Behav-Sex and Reproduction
Social Behav-Parental/Filial
Evolution/Survival Value
mate choice; mating systems; mating strategies/tactics;
parental behavior
Convict Cichlid (Osteichthyes:Perciformes:Cichlidae)
Rainbow Cichlid (Osteichthyes:Perciformes:Centrarchidae)
Longear Sunfish (Osteichthyes:Perciformes:Centrarchidae)
Smallmouth Bass (Osteichthyes:Perciformes:Centrarchidae)
Pink Salmon (Osteichthyes:Salmoniformes:Salmonidae)

## QUEBEC

**Laval University**
**Biology**
**Quebec City, Quebec G1K 7P4**
CHAIRMAN: Andre Eagnon 418-656-3080
DEGREES: MS, PhD ENROLLMENT: 20
CONTACT: Guy Lacroix

Jacques Bovet Prof.
Laussane Univ. DSc 1969 418-656-7507
Behav Ecol-Orient/Nav/Migrat/Homing
Biological Rhythms
Natural Hist/Descriptive Studies
long-distance orientation in squirrels and mice;
social entrainment of activity rhythms; beaver behavior
Red Squirrel (Mammalia:Rodentia:Sciuridae)
Deermouse (Mammalia:Rodentia:Cricetidae)
Red-backed Vole (Mammalia:Rodentia:Cricetidae)
Beaver (Mammalia:Rodentia:Castoridae)

Conrad Cloutier Assoc. Prof.
Simon Fraser Univ. PhD 1978 418-656-3183
Behav Ecol-Predator/Prey Interact
Behav Ecol-Foraging
host/prey searching, finding, attacking

Gerrard J. Fitzgerald Assoc. Prof.
Western Ontario Univ. PhD 418-656-2469
Behav Ecol-Predator/Prey Interact
Social Behav
Evolution/Survival Value
intra- and interspecific competition; predator/prey interactions;
territoriality; cannabalism
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae
Charr (Osteichthyes:Salmoniformes:Salmonidae)

**McGill University**
**Biology**
**Montreal, Quebec H3A 1B1**
CHAIRMAN: William C. Leggett 514-392-4649
DEGREES: MS, PhD ENROLLMENT: 5
CONTACT: Katie Diotallevi, Graduate Secretary

Donald Lawrence Kramer Assoc. Prof.
Univ. of British Columbia PhD 1971 514-392-4662
Behav Ecol
Social Behav
Other-Breathing
behavioral ecology of breathing in fishes; habitat selection; optimal foraging
Fish (Osteichthyes)
Chipmunks (Mammalia:Rodentia:Sciuridae)

Louis Lefebvre Asst. Prof.
Univ. of Montreal PhD 1978 514-392-5995
Other-Hierarch Organ of Behav Seq
Learning-Other (Social)
Behav Ecol-Foraging
social learning in group foragers; hierarchical organization in behavioral sequences
Feral Pigeon (Aves:Columbiformes:Columbidae)

Robert E. Lemon Prof.
Univ. of Western Ontario PhD 1964 514-392-4661
Communication-Acoustic
Social Behav-Sex and Reproduction
Behav Ecol-Territoriality
bird song; cultural evolution; function of repertoires of song; sexual selection
American Warblers (Aves:Passeriformes:Parulidae)
Thrushes (Aves:Passeriformes:Turdidae)
Frogs (Amphibia:Salientia)

**University of Quebec, Montreal**
**Psychology**
**Montreal, Quebec H3C 3P8**
CHAIRMAN: Jacques P. Beaugrand 514-282-4801
DEGREES: MA, PhD ENROLLMENT: 3
CONTACT: Helga Feider

Jacques P. Beaugrand Prof.
Univ. Louvain PhD 1976 514-282-4801
Social Behav
Methodol-Theoretical Models
Applied Ethol-Domestic Animals
social structure and spatial configuration as a function of intraspecic competition for food, mates and shelter; models of dominance and social organization
Swordtail Fish (Osteichthyes:Atheriniformes:Poeciliidae)
Brook Charr (Osteichthyes:Salmoniformes:Salmonidae)
Chicken (Aves:Galliformes)

**University of Sherbrooke**
**Biology**
**Sherbrooke, Quebec J1K 2R1**
CHAIRMAN: Pierre Bechard 819-821-7070
DEGREES: MS, PhD ENROLLMENT: 2
CONTACT: Jacques Juillet

Andre Cyr Prof.
Saarbruecken (Germany) PhD 1977 819-821-7074
Behav Ecol
Biological Rhythms
Communication
sterilization for bird control; behavorial ecology of gregarious species; cohesion mechanisms of gregarious species
Red-winged Blackbird (Aves:Passeriformes:Icteridae)

## SASKATCHEWAN

**University of Saskatchewan**
**Biology**
**Saskatoon, Saskatchewan S7N 0W0**
CHAIRMAN: J. King 306-966-4400
DEGREES: MS, PhD ENROLLMENT: 1
CONTACT: V. Sawhney

R.J.F. Smith Prof.
Univ. of Western Ontario PhD 1967 306-966-4419
Behav Ecol-Orient/Nav/Migrat/Homing
Evolution/Survival Value
Communication-Chemical
evolution of chemical alarm signals; chemical communication in mating, parental care; response to natural stimuli as an assay in aquatic toxicology
Minnows (Osteichthyes:Cypriniformes:Cyprinidae)
Darters (Osteichthyes:Perciformes:Percidae)
Grayling (Osteichthyes:Salmoniformes:Salmonidae)

## MEXICO

**Universidad Nacional Autonoma de Mexico**
**Instituto de Biologia**
**Departamento de Ecologia**
**A.P. 70-153, 04510 D. F. Mexico**
CHAIRMAN: Daniel Pinero 5-50-52-15, ext. 4877
DEGREES: PhD ENROLLMENT:
CONTACT: Daniel Pinero or Jorge Soberon

Hugh Drummond Investigador Titular
Univ. of Tennessee Ph.D. 1980 5-50-50-57
Behav Ecol
Feeding/Ingestion
Social Behav
Snake feeding preferences and foraging techniques, and their ontogeny; avian brood reduction, sibicide and parent-offspring conflict
Garter Snakes (Reptilia:Serpentes:Colubridae)
Blue-footed Boobies (Aves:Pelicaniformes:Sulidae)

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John Fa Investigador
Oxford Univ. Ph.D. 1984 5-50-50-57
Behav Ecol
Feeding/Ingestion
Social Behav
Primate feeding energetics and activity budgets; behavioral ecology of rabbits
Barbary Macaques (Mammalia:Primates:Cercopithecidae)
Rabbits (Mammalia:Lagomorpha)

## APPLIED ETHOLOGY

Baenninger, R.  Temple U
Beaver, B.  Texas A&M
Burke, M.G.  U of North Dakota
Cheng, K.M.  U of British Columbia
Derrickson, S.R.  Smithsonian Institution
Fagre, D.B.  Texas A&M
Gary, N.E.  UC, Davis
Griswold, J.G.  City U of New York/City College
Jahn, L.A.  Western Illinois U
Lehner, P.N.  Colorado State U
New, J.C.  U of Tennessee
Schein, M. W.  West Virginia U
Seidensticker, J.  Smithsonian Institution
Siegel, P.B.  Virginia Polytechnic Institute/State U
Waring, G.H.  Southern Illinois U

### COMPANION ANIMALS

Houpt, K.A.  Cornell U

### DOMESTIC ANIMALS

Adams, A.W.  Kansas State U
Albright, J.L.  Purdue U
Balph, D.F.  Utah State U
Beaugrand, J.P.  U du Quebec a Montreal
Cherry, J.C.  Virginia Polytechnic Institute/State U
Craig, J.V.  Kansas State U
Crowell-Davis, S.L.  U of Georgia
Friend, T.  Texas A&M
Gross, W.B.  Virginia Polytechnic Institute/State U
Hothersall, D.  Ohio State U
Houpt, K.A.  Cornell U
Jensen, D.D.  U of Nebraska, Lincoln
McGlone, J.J.  Texas Tech. U
Murphey, R.M.  UC, Davis
Price, E.O.  UC, Davis
Ralston, S.  Colorado State U
Stricklin, W.R.  U of Maryland
Tennessen, T.  Nova Scotia Ag. College

### WILDLIFE

Anderson, S.H.  U of Wyoming
Arnold, K.A.  Texas A&M
Balph, D.F.  Utah State U
Buskirk, S.W.  U of Wyoming
Frydendall, M.J.  Mankato State U
Gilbert, B.K.  Utah State U
Gluesing, E.A.  Mississippi State U
Harestad, A.S.  Simon Fraser U
Inglis, J.M.  Texas A&M
Klein, D.R.  U of Alaska
Larkin, R.P. U of Illinois
Larson, J.S.  U of Massachusetts
Maple, T.L.  Georgia Inst. of Tech.
Marchinton, R.L.  U of Georgia
Metzger, L.H.  U of Montana
New, J.C.  U of Tennessee
Pelton, M.R.  U of Tennessee
Silvy, N.J.  Texas A&M
Slack, R.D.  Texas A&M
Tacha, T.C.  Southern Illinois U
Tennessen, T.  Nova Scotia Ag. College
Warnock, J.E.  Western Illinois U

### OTHER

Crowell-Davis, S.L.  U of Georgia
Marcellini, D.L.  Smithsonian Institution
Ringler, N.H.  SUNY Coll. of Environ. Sci./For.
Warren, R.P.  U of Wisconsin, Milwaukee

## BEHAVIORAL ECOLOGY

Abrahamson, W.G.  Bucknell U
Abrams, P.A.  U of Minnesota
Adler, K.  Cornell U
Adler, P.H.  Clemson U
Altmann, J.  U of Chicago
Armitage, K.B.  U of Kansas
Arnold, K.A.  Texas A&M
Arnold, S.J.  U of Chicago
Baker, M.C.  Colorado State U
Ball, N.J.  Walla Walla College
Barrows, E.M.  Georgetown U
Beecher, M.D.  U of Washington
Bekoff, M.  U of Colorado, Boulder
Best, L.B.  Iowa State U
Blaustein, A.R.  Oregon State U
Boness, D.K.  Smithsonian Institution
Bradbury, J.W.  UC, San Diego
Brockmann, J.  U of Florida
Brown, J.L.  SUNY, Albany
Burger, J.  Rutgers U
Burghardt, G.M.  U of Tennessee
Burke, M.G.  U of North Dakota
Caine, N.G.  Bucknell U
Caldwell, R.L.  UC, Berkeley
Carpenter, C.C.  U of Oklahoma
Cheng, K.M.  U of British Columbia
Collier, G.  San Diego State U
Cranford, J.A.  Virginia Polytechnic Institute/State U
Creighton, P.D.  Towson State U
Cyr, A.  U of Sherbrooke
Defran, R.H.  San Diego State U
Dill, L.M.  Simon Fraser U
Dimcock, R.V.  Wake Forest U
Duvall, D.  U of Wyoming
Ebersole, J.E.  U of Massachusetts, Harbor Campus
Eickwort, G.C.  Cornell U
Eisenberg, J.F.  U of Florida
Emlen, S.T.  Cornell U
Erickson, E.H.  U of Wisconsin, Madison
Faaborg, J.  U of Missouri-Columbia
Fagre, D.B.  Texas A&M
Ficken, M.S.  U of Wisconsin, Milwaukee
Fleming, T.H.  U of Miami
Fletcher, D.J.C.  U of Georgia
Frydendall, M.J.  Mankato State U
Galusha, J.G.  Walla Walla College
Gary, N.E.  UC, Davis
Gass, C.L.  U of British Columbia
Giraldeau, L.-A.  U of Toronto
Gluesing, E.A.  Mississippi State U
Gochfeld, M.  UMDNJ- Rutgers Medical School
Gowaty, P.A.  Clemson U
Graves, H.B.  Pennsylvania State U
Greenberg, N.  U of Tennessee
Gross, M.R.  Simon Fraser U
Gunning, G.E.  Tulane U
Gwynn, D.C.  Clemson U
Hainsworth, F.R.  Syracuse U
Hannon, S.  U of Alberta
Harestad, A.S.  Simon Fraser U
Hatch, J.J.  U of Massachusetts, Harbor Campus
Haynes, J.M.  State U of New York, Brockport
Herman, L.M.  U of Hawaii
Holldobler, B.  Harvard U
Holmes, R.T.  Dartmouth College
Holmes, W.  U of Michigan
Horn, A.  Colorado State U
Howard, R.D.  Purdue U
Hunsaker, D.  San Diego State U
Hunt, G.L.  UC, Irvine
Hutto, R.L.  U of Montana
Jenni, D.A.  U of Montana
Jenssen, T.A.  Virginia Polytechnic Institute/State U
Johnston, R.F.  U of Kansas
Kaufmann, J.H.  U of Florida
Klopfer, P.  Duke U
Knapton, R.  Brock U
Kramer, D.L.  McGill U
Krekorian, N.  San Diego State U
Kunz, T.H.  Boston U
Kurczewski, F.E.  SUNY Coll. of Environ. Sci./For.
Lang, J.W.  U of North Dakota
Lauder, G.V.  U of Chicago
Lederhouse, R.C.  Rutgers-State U of N J, Newark
Lee, J.C.  U of Miami
Lennartz, M.R.  Clemson U
Lillywhite, H.B.  U of Florida
Lippold, L.K. San Diego State U
Lloyd, J.E.  U of Florida
Losey, G.  U of Hawaii
Lott, D.F.  UC, Davis
Macior, W.  U of Akron
Marr, M.J.  Georgia Inst. of Tech.
McCracken, G.F.  U of Tennessee
McMahan, E.A.  U of NC, Chapel Hill
Mock, D.W.  U of Oklahoma
Moller, P.  CUNY/Hunter College
Montgomerie, R.D.  Queen's U
Moody, S.M.  Ohio U
Moore, J.  Colorado State U
Morris, R.D.  Brock U
Motta, P.J.  U of Montana
Mueller, H.C.  U of NC, Chapel Hill
Muller-Schwarze, D.  SUNY Coll. of Environ. Sci./For.
Mumme, R.L.  Memphis State U
Murie, J.O.  U of Alberta
Mushinsky, H.  U of South Florida
Myrberg, Jr., A.  U of Miami
Noakes, D.L.G.  U of Guelph
Norton, R.A.  SUNY Coll. of Environ. Sci./For.
Oring, L.W.  U of North Dakota
Owens, D.W.  Texas A&M
Packard, J.M.  Texas A&M
Packer, C.  U of Minnesota
Pusey, A.E.  U of Minnesota
Rabenold, K.N.  Purdue U
Raitt, R.J.  New Mexico State U
Randall, J.A.  Central Missouri State U
Raveling, D.G.  UC, Davis
Reese, E.S.  U of Hawaii
Rhine, R.J.  UC, Riverside
Riechert, S.E.  U of Tennessee
Ritchison, G.  Eastern Kentucky U
Robel, R.J.  Kansas State U
Robinson, J.G.  U of Florida
Roitberg, B.D.  Simon Fraser U
Rovner, J.S.  Ohio U
Rowland, W.  Indiana U
Sargent, R.C.  Simon Fraser U
Savage, J.M.  U of Miami
Schemske, D.W.  U of Chicago
Schwagmeyer, P.L.  U of Oklahoma
Scully, E.P  Towson State U
Seabloom, R.W.  U of North Dakota
Seidensticker, J.  Smithsonian Institution
Sherman, P.W.  Cornell U
Sherry, D.  U of Toronto
Simon, C.A.  City U of New York/City College
Smith, A.T.  Arizona State U
Smith, C.C.  Kansas State U
Southwick, E.E.  State U of New York-Brockport
Staddon, J  Duke U
Starmer, W.T.  Syracuse U
Stein, R.A.  Ohio State U
Stoutamire, W.  U of Akron
Strassmann, J.  Rice U

BEST COPY AVAILABLE

Stuart, A.M. U of Massachusetts
Suthers, R.A. Indiana U
Svendsen, G.E. Ohio U
Teleki, G. George Washington U
Terman, C.R. Col. of William and Mary
Thompson, J.N. Washington State U
Topoff, H. CUNY/Hunter College
Traniello, J. Boston U
Trapp, G.R. California State U
Trost, C. Idaho State U
Uetz, G.W. U of Cincinnati
Vehrencamp, S.L. UC, San Diego
Vestal, B.M. U of Oklahoma
Waldman, B. Harvard U
Waser, P. Purdue U
Wasserman, E.A. U of Iowa
Wasserman, F.E. Boston U
Weigl, P.D. Wake Forest U
Weise, C.M. U of Wisconsin, Milwaukee
Wells, K.D. U of Connecticut
Wolf, L.L. Syracuse U
Wood, T.K. U of Delaware
Ydenberg, R.C. Simon Fraser U

## FORAGING

Abrams, P.A. U of Minnesota
Altmann, S.A. U of Chicago
Barclay, R.M.R. U of Calgary
Baum, W. U of New Hampshire
Beaver, D.L. Michigan State U
Beck, B.B. Smithsonian Institution
Bell, W.J. U of Kansas
Bowman, R.I. San Francisco State U
Brandt, S.B. SUNY Coll. of Environ. Sci./For.
Brown, C.R. Yale U
Cane, J.H. Auburn U
Caraco, T. SUNY, Albany
Cloutier, C. Laval U
Crawford, R.D. U of North Dakota
Creighton, P.D. Towson State U
Culp, J.M. U of Calgary
Dietz, A. U of Georgia
Drummond, H. U Nacional Autonoma de Mexico
Fa, J. U Nacional Autonoma de Mexico
Fantino, E. UC, San Diego
Fitzpatrick, J.W. U of Chicago
Folt, C.L. Dartmouth College
Foster, W.A. Ohio State U
Fraser, D.F. SUNY, Albany
Gillingham, J.C. Central Michigan Univ.
Giraldeau, L.A. U of Toronto
Gillingham, J.C. Central Michigan Univ.
Giraldeau, L.A. U of Toronto
Green, J.M Memorial U
Green, S. U of Miami
Grubb, T.C. Ohio State U
Haraway, M.M. Northeast Louisiana U
Hirth, D.H. U of Vermont
Inouye, D.W. U of Maryland
Itzkowitz, M. Lehigh U
Jaeger, R.G. U of Southwestern Louisiana
Johnston, T.D. U of NC, Greensboro
Kamil, A.C. U of Massachusetts
Kaufman, D.W. Kansas State U
Kingsolver, J. Brown U
Kurland, J.A. Pennsylvania State U
Lefebvre, L. McGill U
Lein, M.R. U of Calgary
Maples, E.G. Northeast Louisiana U
Mares, M.A. U of Oklahoma
McClenaghan, L.R. San Diego State U
Mellgren, R.L. U of Oklahoma
Menzel, E.W. SUNY, Stony Brook
Milton, K. UC, Berkeley
Montevecchi, W.A. Memorial U
Montgomery, W.L. Northern Arizona U
Morrison, D.W. Rutgers-State U of N J, Newark
Morse, D.H. Brown U
Morton, E.S. Smithsonian Institution
Murphy, E.C. U of Alaska
Nash, L.T. Arizona State U
Nevin, J.A. U of New Hampshire
Nicolaus, L.K. Northern Illinois U
Nursall, J.R. U of Alberta
Powell, R.A. NC State U
Pulliam, H.R. U of Georgia
Reichman, O.J. Kansas State U
Ringler, N.H. SUNY Coll. of Environ. Sci./For.
Robinson, S.K. U of Illinois
Roitberg, B.D. Simon Fraser U
Schnell, G.D. U of Oklahoma
Schultz, J.C. Pennsylvania State U
Shettleworth, S.J. U of Toronto
Slansky, Jr., F. U of Florida
Stamp, N.E. SUNY, Binghamton
States, J.S. Northern Arizona U
Stein, R.A. Ohio State U
Timberlake, W.D. Indiana U
Waddington, K.D. U of Miami
Wrona, F.J. U of Calgary

## HABITAT SELECTION

Albright, J.L. Purdue U
Anderson, S.H. U of Wyoming
Best, L.B. Iowa State U
Boyce, M.S. U of Wyoming
Bradshaw, W.E. U of Oregon
Brandt, S.B. SUNY Coll. of Environ. Sci./For.
Buskirk, S.W. U of Wyoming
Culp, J.M. U of Calgary
Francq, E.N. U of New Hampshire
Fraser, D.F. SUNY, Albany
Gauthreaux, S.A. Clemson U
Grubb, T.C. Ohio State U
Hamas, M.J. Central Michigan U
Herrero, S. U of Calgary
Hirth, D.H. U of Vermont
Hutto, R.L. U of Montana
Inglis, J.M. Texas A&M
Kaufman, D.W. Kansas State U
Klein, D.R. U of Alaska
Larson, J.S. U of Massachusetts
Lennartz, M.R. Clemson U
Mares, M.A. U of Oklahoma
Morse, D.H. Brown U
Morton, E.S. Smithsonian Institution
Neill, W.H. Texas A&M
Noakes, D.L.G. U of Guelph
Pulliam, H.R. U of Georgia
Robinson, S.K. U of Illinois
Schultz, J.C. Pennsylvania State U
Silvy, N.J. Texas A&M
Slack, R.D. Texas A&M
Speith, H.T. UC, Davis
Stalling, D.T. Northwestern State U
Stamp, R.E. SUNY, Binghamton
States, J.S. Northern Arizona U
Tacha, T.C. Southern Illinois U
Zimmerman, J.L. Kansas State U

## ORIENTATION/NAVIGATION/MIGRATION/HOMING

Able, K.P. SUNY, Albany
Adler, K. Cornell U
Barthalmus, G. North Carolina State U
Beason, R.C. SUNY, Geneseo
Bell, W.J. U of Kansas
Bodznick, D. Wesleyan U
Bovet, J. Laval U
Conner, W.E. Duke U
Dahlquist, F.W. U of Oregon
Dingle, H. UC, Davis
Forester, D.C. Towson State U
Francq, E.N. U of New Hampshire
Gauthreaux, S.A. Clemson U
Green, J.M Memorial U
Hamilton, P. U of West Florida
Heppner, F. U of Rhode Island
Jander, R. U of Kansas
Ketterson, E.D. Indiana U
Kingsolver, J. Brown U
Larkin, R.P. U of Illinois
Moore, B.R. Dalhousie U
Moore, F.R. U of S. Mississippi
Neill, W.H. Texas A&M
Nolan, Jr., V. Indiana U
Rebach, S. U of Maryland, E. Shore
Saladin, K. S. Georgia College
Simmons, J.A. U of Oregon
Smith, R.J.F. U of Saskatchewan
Turkewitz, G. CUNY/Hunter College
Walcott, C. Cornell U

## PREDATOR/PREY INTERACTIONS

Bradshaw, W.E. U of Oregon
Brandt, S.B. SUNY Coll. of Environ. Sci./For.
Cloutier, C. Laval U
Collopy, M.W. U of Florida
Coss, R.G. UC, Davis
Culp, J.M. U of Calgary
Eisner, T. Cornell U
Endler, J.A. U of Utah
Fitzgerald, G.J. Laval U
Folt, C.L. Dartmouth College
Fraser, D.F. SUNY, Albany
Gallup, G.G. SUNY, Albany
Gillingham, J.C. Central Michigan U
Hampton, R.E. Central Michigan U
Harris, L.G. U of New Hampshire
Helfman, G.S. U of Georgia
Herrero, S. U of Calgary
Hirth, D.H. U of Vermont
Hoffman, D.L. Bucknell U
Jackson, D. U of Akron
Jeanne, R.L. U of Wisconsin, Madison
Kaufman, D.W. Kansas State U
Leger, D.W. U of Nebraska, Lincoln
Lishak, R.S. Auburn U
Lounibos, L.P. U of Florida
McMahan, E.A. U of NC, Chapel Hill
Metzger, L.H. U of Montana
Morse, D.H. Brown U
Nelson, C.E. Indiana U
Owings, D.H. UC, Davis
Powell, R.A. NC State U
Prezant, R.S. U of S. Mississippi
Rettenmeyer, C.W. U of Connecticut
Ringler, N.H. SUNY Coll. of Environ. Sci./For.
Ristau, C.A. Rockefeller U
Robinson, M.H. Smithsonian Institution
Saladin, K.S. Georgia College
Sargent, T.D. U of Massachusetts
Scarbrough, A.G. Towson State U
Slack, R.D. Texas A&M
Slobodchikoff, C.N. Northern Arizona U
Stamp, N.E. SUNY, Binghamton
Stein, R.A. Ohio State U
Sunquist, M.E. U of Florida
Taylor, R.J. Clemson U
Waddington, K.D. U of Miami
Weldon, P.J. Texas A&M

West, D.A.  Virginia Polytechnic Institute/State U
Wrona, F.J.  U of Calgary

## TERRITORIALITY

Anderson, S.H.  U of Wyoming
Beaver, D.L.  Michigan State U
Best, L.B.  Iowa State U
Boag, D.A.  U of Alberta
Burk, T.  Creighton U
Fitzpatrick, J.W.  U of Chicago
Getz, L.L.  U of Illinois
Gilbert, B.K.  Utah State U
Green, J.M  Memorial U
Greenfield, M.D.  UC, Los Angeles
Gwynn, D.C.  Clemson U
Houck, L.D.  U of Chicago
Inouye, D.W.  U of Maryland
Itzkowitz, M.  Lehigh U
Jaeger, R.G.  U of Southwestern Louisiana
Kodric-Brown, A.  U of Arizona
Koenig, W.D.  UC, Berkeley
Lein, M.R.  U of Calgary
Lemon, R.E.  McGill U
Logan, C.A.  U of NC, Greensboro
Marchinton, R.L.  U of Georgia
Milton, K.  UC, Berkeley
Nursall, J.R.  U of Alberta
Simpson, B.S.  Case Western Reserve U
Stamps, J.  UC, Davis
Stewart, M.M.  SUNY, Albany
Vinson, S.B.  Texas A&M
Wilcox, R.S.  SUNY, Binghamton
Wrona, F.J.  U of Calgary
Zucker, N.  New Mexico State U

## OTHER

Boyce, M.S.  U of Wyoming
Collopy, M.W.  U of Florida
Fischer, E.A.  U of Washington
Hazlett, B.A.  U of Michigan
Macior, W.  U of Akron
Pelton, M.R.  U of Tennessee
Sheppe, W.  U of Akron
Stoutamire, W.  U of Akron
Waage, J.K.  Brown U

## BEHAVIORAL GENETICS

Arnold, S.J.  U of Chicago
Bell, W.J.  U of Kansas
Cade, W.H.  Brock U
Cairnes, R.B.  U of North Carolina
Craig, J.V.  Kansas State U
Dingle, H.  UC, Davis
Dudek, B.C.  SUNY, Albany
Grossfield, J.  City U of New York/City College
Hirsch, J.  U of Illinois-Urbana
Hood, K.E.  Pennsylvania State U
Iturrian, W.B.  U of Georgia
King, D.G.  Southern Illinois U
Lenington, S.  Rutgers-State U of N J, Newark
Luykx, P.  U of Miami
Lynch, C.B.  Wesleyan U
Mann, M.A.  U of Texas, Arlington
McClearn, G.E.  Pennsylvania State U
McClenaghan, L.R.  San Diego State U
Murphey, R.M.  UC, Davis
Nyby, J.  Lehigh U
Ralls, K.  Smithsonian Institution
Riechert, S.E.  U of Tennessee
Riley, E.P.  SUNY, Albany
Southwick, E.E.  SUNY, Brockport
Starmer, W.T.  Syracuse U
Tamarin, R.H.  Boston U
Thompson, J.N.  Washington State U
Tompkins, L.  Temple U
Turner, W.  U of Akron
Whitney, G.  Florida State U

## BIOLOGICAL RHYTHMS

Able, K.P.  SUNY, Albany
Adler, K.  Cornell U
Anthoney, T.R.  Southern Illinois U
Barnwell, F.  U of Minnesota
Beason, R.C.  SUNY, Geneseo
Binkley, S.  Temple U
Bovet, J.  Laval U
Bradshaw, W.E.  U of Oregon
Cyr, A.  U of Sherbrooke
DeCoursey, P.  U of South Carolina
Ferrell, B.R.  Western Kentucky U
Fivizzani, A.J.  U of North Dakota
Gordon-Lickey, M.E.  U of Oregon
Jacklett, J.  SUNY, Albany
Ketterson, E.D.  Indiana U
Lee, J.C.  U of Miami
Lynch, C.B.  Wesleyan U
Lynch, G.R.  Wesleyan U
Menaker, M.  U of Oregon
Nunez, A.  Michigan State U
Peacock, L.J.  U of Georgia
Pickard, G.E.  U of Oregon
Randall, W.L.  U of Iowa
Rebach, S.  U of Maryland, E. Shore
Roberts, S.K.  Temple U
Rusak, B.  Dalhousie U
Timberlake, W.D.  Indiana U

Wade, G.N.  U of Massachusetts

## COMMUNICATION

Altmann, S.A.  U of Chicago
Baker, M.C.  Colorado State U
Barnett, C.  Illinois State U
Barrows, E.M.  Georgetown U
Bauer, H.R.  Ohio State U
Baylis, J.R.  U of Wisconsin, Madison
Beecher, M.D.  U of Washington
Blum, M.S.  U of Georgia
Brown, R.E.  Dalhousie U
Burley, N.  U of Illinois
Cade, W.H.  Brock U
Caldwell, R.L.  UC, Berkeley
Capranica, R.R.  Cornell U
Cyr, A.  U of Sherbrooke
Dietz, A.  U of Georgia
Dimock, R.V.  Wake Forest U
Dunham, D.W.  U of Toronto
Duvall, D.  U of Wyoming
Emlen, S.T.  Cornell U
Erickson, E.H.  U of Wisconsin, Madison
Ficken, M.S.  U of Wisconsin, Milwaukee
Figler, M.H.  Towson State U
Fletcher, D.J.C.  U of Georgia
Gary, N.E.  UC, Davis
Gochfeld, M.  UMDNJ- Rutgers Medical School
Greenfield, M.D.  UC, Los Angeles
Hailman, J.P.  U of Wisconsin, Madison
Hannon, S.  U of Alberta
Herman, L.M.  U of Hawaii
Hoffman, D.L.  Bucknell U
Hopkins, C.D.  Cornell U
Hunsaker, D.  San Diego State U
Jenssen, T.A.  Virginia Polytechnic Institute/State U
Klemm, W.R.  Texas A&M
Klopfer, P.  Duke U
Knapton, R.  Brock U
Lehner, P.N.  Colorado State U
Lloyd, J.E.  U of Florida
McKinney, F.  U of Minnesota
Menzel, E.W.  SUNY, Stony Brook
Moller, P.  CUNY/Hunter College
Moody, S.M.  Ohio U
Murie, J.O.  U of Alberta
Oring, L.W.  U of North Dakota
Randall, J.A.  Central Missouri State U
Ritchison, G.  Eastern Kentucky U
Robinson, J.G.  U of Florida
Rowland, W.  Indiana U
Rutowski, R.L.  Arizona State U
Salmon, M.  U of Illinois
Shaw, K.C.  Iowa State U
Shields, W.M.  SUNY Coll. of Environ. Sci./For.
Simon, C.A.  City U of New York/City College
Smith, J.W.  U of Pennsylvania
Snowdon, C.T.  U of Wisconsin, Madison
Sorrentino, R.P.  Brown U
Southwick, E.E.  SUNY-Brockport
Storey, A.E.  Memorial U
Thompson, N.S.  Clark U
Uetz, G.W.  U of Cincinnati
Waddington, K.D.  U of Miami
Waring, G.H.  Southern Illinois U
Wasserman, F.E.  Boston U
Weaver, N.  U of Massachusetts, Harbor Campus
Wells, K.D.  U of Connecticut
West, M.J.  U of North Carolina,Chapel Hill
Whitney, G.  Florida State U
Wiley, R.H.  U of NC, Chapel Hill

## ACOUSTIC

Awbrey, R.T.  San Diego State U
Bailey, E.D.  U of Guelph
Barclay, R.M.R.  U of Calgary
Barfield, R.J.  Rutgers U
Beer, C.G.  Rutgers-State U. of N J, Newark
Derrickson, S.R.  Smithsonian Institution
Forester, D.C.  Towson State U
French, J.A.  U. of Nebraska, Omaha
Gerhardt, H.C.  U of Missouri-Columbia
Gottlieb, G.  U of NC, Greensboro
Gourevitch, G.  CUNY/Hunter College
Green, S.  U of Miami
Haraway, M.M.  Northeast Louisiana U
Hart, B.L.  UC, Davis
Henry, C.S.  U of Connecticut
Hoy, R.  Cornell U
Kroodsma, D.E.  U of Massachusetts
Larkin, R.P.  U of Illinois
Leger, D.W.  U of Nebraska, Lincoln
Lein, M.R.  U of Calgary
Lemon, R.E.  McGill U
Lishak, R.S.  Auburn U
Logan, C.A.  U of NC, Greensboro
Maples, E.G.  Northeast Louisiana U
Marcellini, D.L.  Smithsonian Institution
Megela-Simmons, A.  Brown U
Miller, D.B.  U of Connecticut
Moiseff, A.  U of Connecticut
Moore, B.R.  Dalhousie U
Morton, E.S.  Smithsonian Institution
Myrberg, Jr., A.  U of Miami
Orcutt, S.F.  U of Akron
Owings, D.H.  UC, Davis
Phillips, R.E.  U of Minnesota
Popper, A.N.  Georgetown U
Reichman, O.J.  Kansas State U

Ristau, C.A. Rockefeller U
Simpson, B.S. Case Western Reserve U
Slobodchikoff, C.N. Northern Arizona U
Smith, C.C. Kansas State U
Stratton, G. Bradley U
Suthers, R.A. Indiana U
Waldman, B. Harvard U
Waser, P. Purdue U
Wilcox, R.S. SUNY, Binghamton

## CHEMICAL

Atema, J. Boston U
Blum, M.S. U of Georgia
Carrel, J.E. U of Missouri-Columbia
Conner, W.E. Duke U
Eisner, T. Cornell U
Halpin, Z.T. U of Missouri-St. Louis
Holldobler, B. Harvard U
Jaeger, R.G. U of Southwestern Louisiana
Jeanne, R.L. U of Wisconsin, Madison
Johnston, R.E. Cornell U
Kannowski, P.B. U of North Dakota
Lanier, G.N. SUNY Coll. of Environ. Sci./For.
Madison, D.M. SUNY, Binghamton
Marchinton, R.L. U of Georgia
McClintock, M.K. U of Chicago
McGlone, J.J. Texas Tech. U
Muller-Schwarze, D. SUNY Coll. of Environ. Sci./For.
Nyby, J. Lehigh U
Owens, D.W. Texas A&M
Porter, R.H. Vanderbilt U
Smith, R.J.F. U of Saskatchewan
Stacey, N. U of Alberta
Stevens, D.A. Clark U
Stevens, D.A. Clark U
Stuart, A.M. U of Massachusetts
Traniello, J. Boston U
Vandenbergh, J.G. NC State U
Weaver, N. U of Massachusetts, Harbor Campus
Weldon, P.J. Texas A&M
Winston, M. Simon Fraser U

## VISUAL

Carpenter, C.C. U of Oklahoma
Hazlett, B.A. U of Michigan
Miller, D.E. Washington State U
Owings, D.H. UC, Davis

## OTHER

Blum, M.S. U of Georgia
Udvardy, M.D.F. California State U

## DEVELOPMENT/ONTOGENY

Adkins-Regan, E. Cornell U
Alberts, J.R. Indiana U
Altmann, J. U of Chicago
Anthoney, T.R. Southern Illinois U
Bailey, E.D. U of Guelph
Balaban, M. Michigan State U
Barlow, G.W. UC, Berkeley
Bauer, H.R. Ohio State U
Beer, C.G. Rutgers-State U of N J, Newark
Bekoff, M. U of Colorado, Boulder
Berman, C.M. SUNY, Buffalo
Bowman, R.I. San Francisco State U
Burghardt, G.M. U of Tennessee
Byers, J.A. U of Idaho
Caine, N.G. Bucknell U
Cairnes, R.B. U of North Carolina
Coe, C. U of Wisconsin, Madison
Coss, R.G. UC, Davis
Costello, M.J. Ohio U
Cramer, C.P. Dartmouth College
Feder, H.H. Rutgers-State U of N J, Newark
Fentress, J.C. Dalhousie U
Fernald, R.D. U of Oregon
Fragaszy, D.M. Washington State U
Goldfoot, D. U of Wisconsin, Madison
Gordon-Lickey, B. U of Oregon
Gordon-Lickey, M.E. U of Oregon
Gottlieb, G. U of NC, Greensboro
Goy, R.W. U of Wisconsin, Madison
Grant, P. U of Oregon
Griswold, J.G. City U of New York/City College
Hailman, J.P. U of Wisconsin, Madison
Hamas, M.J. Central Michigan U
Hannigan, J.H. SUNY, Albany
Hansen, E.W. Rutgers-State U of N J, Newark
Harper, L.V. UC, Davis
Helfman, G.S. U of Georgia
Hogan, J.A. U of Toronto
Hull, E.M. SUNY, Buffalo
Iturrian, W.B. U of Georgia
Johnson, J.I. Michigan State U
Johnston, T.D. U of NC, Greensboro
Kimmel, C.B. U of Oregon
Kleiman, D.G. Smithsonian Institution
Kroodsma, D.E. U of Massachusetts
Lerner, J.V. Pennslvania State U
Lerner, R.M. Pennsylvania State U
Lishak, R.S. Auburn U
Littman, R.A. U of Oregon
Maple, T.L. Georgia Inst. of Tech.
Mason, W.A. UC, Davis
Mayer, A.D. Rutgers-State U of N J, Newark
McClearn, G.E. Pennsylvania State U

Meyer, J.S. U of Massachusetts
Miller, D.B. U of Connecticut
Mueller, H.C. U of NC, Chapel Hill
Nash, L.T. Arizona State U
Novak, M. U of Massachusetts
Petersen, A.C. Pennslvania State U
Petry, H.M. SUNY, Stony Brook
Porter, R.H. Vanderbilt U
Price, E.O. UC, Davis
Pusey, A.E. U of Minnesota
Reboulleau, C.P. Rutgers-State U of N J, Newark
Reese, E.S. U of Hawaii
Rhine, R.J. UC, Riverside
Richmond, G. Michigan State U
Rosenblatt, J.S. Rutgers-State U of N J, Newark
Sackett, G.P. U of Washington
Salinger, W. U of NC, Greensboro
Tieman, S.B. SUNY, Albany
Tompkins, L. Temple U
Turkewitz, G. CUNY/Hunter College
Wallen, K. Emory U
Wallman, J. City U of New York/City College
West, M.J. U of North Carolina,Chapel Hill
Westerfield, M. U of Oregon
White, L.E. Dalhousie U
Woollacott, M.H. U of Oregon

## DRUG STUDIES

Avery, D.D. Colorado State U
Barthalmus, G. North Carolina State U
Bowman, R.E. U of Wisconsin, Madison
Church, R.M. Brown University
Conner, R.L. Bowling Green State U
Dudek, B.C. SUNY, Albany
Gormezano, I. U of Iowa
Hannigan, J.H. SUNY, Albany
Harvey, J.A. U of Iowa
Isaac, W. U of Georgia
Iturrian, W.B. U of Georgia
Klemm, W.R. Texas A&M
Komisaruk, B.R. Rutgrs-State U of N J, Newark
Kruggel, T.G Towson State U
LoLordo, V.M. Dalhousie U
Marr, M.J. Georgia Inst. of Tech.
Martin, G.M. Memorial U
McSweeney, F.K. Washington State U
Meyer, J.S. U of Massachusetts
Riley, E.P. SUNY, Albany
Springfield, S.A. City U of New York/City College
Stein, D.G. Clark U
Treit, D. Dalhousie U
Walker, J.M. Brown U
Wright, D. U of Missouri, Columbia

## ENDOCRINE/HORMONAL MECHANISMS

Adkins-Regan, E. Cornell U
Allrich, R.D. Purdue U
Avery, D.D. Colorado State U
Avila, V.L. San Diego State U
Barfield, R.J. Rutgers U
Barkley, M.S. UC, Davis
Bartke, A. Southern Illinois U
Bass, A.H. Cornell U
Binkley, S. Temple U
Blaustein, J.D. U of Massachusetts
Breed, M.D. U of Colorado
Brown, R.E. Dalhousie U
Bunnell, B.N. U of Georgia
Buntin, J.D. U of Wisconsin, Milwaukee
Carter, C.S. U of Maryland
Cheng, M. Rutgers-State U of N J, Newark
Clemens, L.G. Michigan State U
Coe, C. U of Wisconsin, Madison
Conner, R.L. Bowling Green State U
Ely, D. U of Akron
Erickson, C.J. Duke U
Estep, D.Q. U of Georgia
Feder, H.H. Rutgers-State U of N J, Newark
Ferrell, B.R. Western Kentucky U
Fivizzani, A.J. U of North Dakota
Floody, O.R. Bucknell U
French, J.A. U of Nebraska, Omaha
Gold, R. U of Massachusetts
Goldfoot, D. U of Wisconsin, Madison
Goy, R.W. U of Wisconsin, Madison
Harding, C.F. CUNY/Hunter College
Hart, B.L. UC, Davis
Hood, K.E. Pennsylvania State U
Johnston, R.E. Cornell U
Kimble, D.P. U of Oregon
Klowden, M.J. U of Idaho
Komisaruk, B.R. Rutgers-State U of N J, Newark
Kristal, M.B. SUNY, Buffalo
Liley, N.R. U of British Columbia
Lynch, G.R. Wesleyan U
Mayer, A.D. Rutgers-State U of N J, Newark
McClintock, M.K. U of Chicago
Menaker, M. U of Oregon
Meyer, J.S. U of Massachusetts
Moberg, G.P. UC, Davis
Nyby, J. Lehigh U
Oring, L.W. U of North Dakota
Owens, D.W. Texas A&M
Petersen, A.C. Pennslvania State U
Pickard, G.E. U of Oregon
Quadagno, D.M. U of Kansas
Randall, W.L. U of Iowa
Reboulleau, C.P. Rutgers-State U of N J, Newark

Rosenblatt, J.S.  Rutgers-State U of N J, Newark
Sachs, B.D.  U of Connecticut
Seabloom, R.W.  U of North Dakota
Siegel, H.I.  Rutgers-State U of N J, Newark
Snowdon, C.T.  U of Wisconsin, Madison
Springfield, S.A.  City U of New York/City College
Stacey, N.  U of Alberta
Stuart, A.M.  U of Massachusetts
Svare, B.B.  SUNY, Albany
Tokarz, R.R.  U of Miami
Twente, J.W.  U of Missouri-Columbia
Vandenbergh, J.G.  NC State U
Vom Saal, F.S.  U of Missouri-Columbia
Wade, G.N.  U of Massachusetts
Walker, J.M.  Brown U
Wallen, K.  Emory U
Warren, R.P.  U of Wisconsin, Milwaukee
Weise, C.M.  U of Wisconsin, Milwaukee

## EVOLUTION/SURVIVAL VALUE

Able, K.P.  SUNY, Albany
Alexander, R.D.  U of Michigan
Anthoney, T.R.  Southern Illinois U
Armitage, K.B.  U of Kansas
Arnold, S.J.  U of Chicago
Barash, D.P.  U of Washington
Barlow, G.W.  UC, Berkeley
Barnett, C.  Illinois State U
Bass, A.H.  Cornell U
Baylis, J.R.  U of Wisconsin, Madison
Bekoff, M.  U of Colorado, Boulder
Berman, C.M.  SUNY, Buffalo
Blaustein, A.R.  Oregon State U
Boness, D.K.  Smithsonian Institution
Boyce, M.S.  U of Wyoming
Bradbury, J.W.  UC, San Diego
Brockmann, J.  U of Florida
Burger, J.  Rutgers U
Burgess, R.L.  Pennsylvania State U
Burley, N.  U of Illinois
Cane, J.H.  Auburn U
Christenson, T.E.  Tulane U
Clark, Jr., G.A.  U of Connecticut
Collier, G.  San Diego State U
Coss, R.G.  UC, Davis
Costello, M.J.  Ohio U
Crawford, R.D.  U of North Dakota
Dewsbury, D.A.  U of Florida
Dill, L.M.  Simon Fraser U
Dingle, H.  UC, Davis
Donahoe, J.W.  U of Massachusetts
Duvall, D.  U of Wyoming
Ebersole, J.E.  U of Massachusetts, Harbor Campus
Eickwort, G.C.  Cornell U
Eisner, T.  Cornell U
Erickson, C.J.  Duke U
Estep, D.Q.  U of Georgia
Fischer, E.A.  U of Washington
Fitzgerald, G.J.  Laval U
Fleming, T.H.  U of Miami
Francq, E.N.  U of New Hampshire
Geist, V.  U of Calgary
Gowaty, P.A.  Clemson U
Graves, H.B.  Pennsylvania State U
Greenfield, M.D.  UC, Los Angeles
Gross, M.R.  Simon Fraser U
Grossfield, J.  City U of New York/City College
Hainsworth, F.R.  Syracuse U
Hatch, J.J.  U of Massachusetts, Harbor Campus
Helfman, G.S.  U of Georgia
Holmes, W.  U of Michigan
Houck, L.D.  U of Chicago
Howard, R.D.  Purdue U
Jensen, D.D.  U of Nebraska, Lincoln
Johnston, R.F.  U of Kansas
Kamil, A.C.  U of Massachusetts
Keenleyside, M.H.A.  U of Western Ontario
King, D.G.  Southern Illinois U
Kodric-Brown, A.  U of Arizona
Koenig, W.D.  UC, Berkeley
Kurczewski, F.E.  SUNY Coll. of Environ. Sci./For.
Kurland, J.A.  Pennsylvania State U
Lancaster, J.B.  U of Oklahoma
Lederhouse, R.C.  Rutgers-State U of N J, Newark
Lee, J.C.  U of Miami
Lenington, S.  Rutgers-State U of N J, Newark
Lerner, R.M.  Pennsylvania State U
Liley, N.R.  U of British Columbia
Lloyd, J.E.  U of Florida
Lounibos, L.P.  U of Florida
Lynch, C.B.  Wesleyan U
Macior, W.  U of Akron
Madison, D.M.  SUNY, Binghamton
Mason, L.G  SUNY, Albany
Matthews, R.W.  U of Georgia
McClearn, G.E.  Pennsylvania State U
McClenaghan, L.R.  San Diego State U
McCracken, G.F.  U of Tennessee
McKinney, F.  U of Minnesota
Miller, R.J.  Oklahoma State U
Mock, D.W.  U of Oklahoma
Montgomerie, R.D.  Queen's U
Moore, J.  Colorado State U
Morrison, D.W.  Rutgers-State U of N J, Newark
Mumme, R.L.  Memphis State U
Murphy, E.C.  U of Alaska
Mushinsky, H.  U of South Florida
Nelson, C.E.  Indiana U
Nicolaus, L.K.  Northern Illinois U
Norton, R.A.  SUNY Coll. of Environ. Sci./For.
Orcutt, S.F.  U of Akron
Otis, G.W.  U of Guelph
Owen, R.E.  U of Calgary
Packard, J.M.  Texas A&M
Poirier, F.E.  Ohio State U
Powell, R.A.  NC State U
Prezant, R.S.  U of S. Mississippi
Rabenold, K.N.  Purdue U
Raitt, R.J.  New Mexico State U
Raveling, D.G.  UC, Davis
Rettenmeyer, C.W.  U of Connecticut
Riechert, S.E.  U of Tennessee
Robinson, M.H.  Smithsonian Institution
Roitberg, B.D.  Simon Fraser U
Rovner, J.S.  Ohio U
Rutowski, R.L.  Arizona State U
Salmon, M.  U of Illinois
Sargent, R.C.  Simon Fraser U
Sargent, T.D.  U of Massachusetts
Schemske, D.W.  U of Chicago
Schultz, J.C.  Pennsylvania State U
Schwagmeyer, P.L.  U of Oklahoma
Shapiro, L.J.  U of Manitoba
Shields, W.M.  SUNY Coll. of Environ. Sci./For.
Slansky, Jr., F.  U of Florida
Smith, A.T.  Arizona State U
Smith, R.J.F.  U of Saskatchewan
Starmer, W.T.  Syracuse U
Storey, A.E.  Memorial U
Stoutamire, W.  U of Akron
Strassmann, J.  Rice U
Stratton, G.  Bradley U
Svendsen, G.E.  Ohio U
Teleki, G.  George Washington U
Thompson, J.N.  Washington State U
Thompson, N.S.  Clark U
Turner, M.  U of Akron
Vehrencamp, S.L.  UC, San Diego
Vestal, B.M.  U of Oklahoma
Waage, J.K.  Brown U
Walters, J.R.  NC State U
Waser, P.  Purdue U
Weigl, P.D.  Wake Forest U
West, D.A.  Virginia Polytechnic Institute/State U
Whitney, G.  Florida State U
Winston, M.  Simon Fraser U
Wolf, L.L.  Syracuse U
Wood, T.K.  U of Delaware
Wyers, E.J.  SUNY, Stony Brook
Ydenberg, R.C.  Simon Fraser U

## FEEDING/INGESTION

Adams, A.M.  Kansas State U
Adler, P.H.  Clemson U
Avila, V.L.  San Diego State U
Colgan, P.  Queen's U, Kingston
Cramer, C.P.  Dartmouth College
Croll, R.  Dalhousie U
Dietz, A.  U of Georgia
Foster, W.A.  Ohio State U
Fragaszy, D.M.  Washington State U
Gold, R.  U of Massachusetts
Hogan, J.A.  U of Toronto
Johnson, A.K.  U of Iowa
Kimble, D.P.  U of Oregon
Klein, D.R.  U of Alaska
Klowden, M.J.  U of Idaho
Lauder, G.V.  U of Chicago
Martin, G.M.  Memorial U
Milton, K.  UC, Berkeley
Motta, P.J.  U of Montana
Ralston, S.  Colorado State U
Robel, R.J.  Kansas State U
Slansky, Jr., F.  U of Florida
States, J.S.  Northern Arizona U
Wade, G.N.  U of Massachusetts
Warren, R.P.  U of Wisconsin, Milwaukee
Zeigler, H.P.  CUNY/Hunter College

## HUMAN ETHOLOGY

Alexander, R.D.  U of Michigan
Baenninger, R.  Temple U
Bauer, H.R.  Ohio State U
Burgess, R.L.  Pennsylvania State U
Galusha, J.G.  Walla Walla College
Guthrie, R.D.  U of Alaska
Harper, L.V.  UC, Davis
Hrdy, S.B.  UC, Davis
Keele, S.W.  U of Oregon
Lancaster, J.B.  U of Oklahoma
Lockard, J.S.  U of Washington
Porter, R.H.  Vanderbilt U
Posner, M.I.  U of Oregon
Rushforth, N.B.  Case Western Reserve U
Woollacott, M.H.  U of Oregon

## LEARNING

Ayres, J.J.B.  U of Massachusetts
Blough, P.M.  Brown U
Bolles, R.C.  U of Washington
Colgan, P.  Queen's U, Kingston
Erickson, E.H.  U of Wisconsin, Madison
Figler, M.H.  Towson State U
Folt, C.L.  Dartmouth College
Giraldeau, L.-A.  U of Toronto

Gochfeld, M.  UMDNJ- Rutgers Medical School
Gormezano, I.  U of Iowa
Harvey, J.A.  U of Iowa
Hirsch, J.  U of Illinois-Urbana
Hothersall, D.  Ohio State U
Jacklett, J.  SUNY, Albany
Jander, R.  U of Kansas
Johnston, T.D.  U of NC, Greensboro
Kopp, J.  U of Texas, Arlington
LoLordo, V.M.  Dalhousie U
Marr, M.J.  Georgia Inst. of Technology
Martin, G.M.  Memorial U
Masterson, F.A.  U of Delaware
Mellgren, R.L.  U of Oklahoma
Menzel, E.W.  SUNY, Stony Brook
Mineka, S.  U of Wisconsin, Madison
Moore, B.R.  Dalhousie U
Randich, A.  U of Iowa
Richards, R.W.  Colorado State U
Sherry, D.  U of Toronto
Shettleworth, S.J.  U of Toronto
Shull, R.L.  U of NC, Greensboro
Staddon, J  Duke U
Tarpy, R.M.  Bucknell U
Wasserman, E.A.  U of Iowa
Wine, J.J.  Stanford U
Wright, D.  U of Missouri, Columbia
Wyers, E.J.  SUNY, Stony Brook

AVOIDANCE

Famselow, M.S.  Dartmouth College
Nicolaus, L.K.  Northern Illinois U
Treit, D.  Dalhousie U

COMPLEX

Baum, W.  U of New Hampshire
Beck, B.B.  Smithsonian Institution
Honig, W.K.  Dalhousie U
Nevin, J.A.  U of New Hampshire
Posner, M.I.  U of Oregon
Rosellini, R.A.  SUNY, Albany
Schrier, A.M.  Brown U
Segal, E.F.  San Diego State U
Thomas, R.K.  U of Georgia

DISCRIMINATION

Blough, D.  Brown U
Carter, D.E.  Georgetown U
Donahoe, J.W.  U of Massachusetts
Famselow, M.S.  Dartmouth College
Keele, S.W.  U of Oregon
Schrier, A.M.  Brown U
Segal, E.F.  San Diego State U
Shull, R.L.  U of NC, Greensboro
Sorrentino, R.P.  Brown U
Stevens, D.A.  Clark U

HABITUATION/EXTINCTION

Gilbert, B.K.  Utah State U

MEMORY

Balda, R.P.  Northern Arizona U
Carter, D.E.  Georgetown U
Church, R.M.  Brown U
Harley, C.  Memorial U
Honig, W.K.  Dalhousie U
Kimble, D.P.  U of Oregon
Kruggel, T.G  Towson State U
Manning, S.K.  CUNY/Hunter College
Petri, H.L  Towson State U
Shettleworth, S.J.  U of Toronto
Spetch, M.  Dalhousie U

REINFORCEMENT

Baum, W.  U of New Hampshire
Carter, D.E.  Georgetown U
Donahoe, J.W.  U of Massachusetts
Fatino, E.  UC, San Diego
Haraway, M.M.  Northeast Louisiana U
Hinson, J.M.  Washington State U
Kopp, J.  U of Texas, Arlington
Maples, E.G.  Northeast Louisiana U
McSweeney, F.K.  Washington State U
Nevin, J.A.  U of New Hampshire
Pavlik, W.B.  U of Georgia
Rosellini, R.A.  SUNY, Albany
Segal, E.F.  San Diego State U
Shull, R.L.  U of NC, Greensboro
Timberlake, W.D.  Indiana U

OTHER

Ayres, J.J.B.  U of Massachusetts
Kamil, A.C.  U of Massachusetts
Lefebvre, L.  McGill U
Moore, J.W.  U of Massachusetts
Pavlik, W.B.  U of Georgia
Rosellini, R.A.  SUNY, Albany
Stein, D.G.  Clark U
Thompson, R.L.  CUNY/Hunter College
West, M.J.  U of North Carolina,Chapel Hill

LOCOMOTION

Chapple, W.D.  U of Connecticut
Dahlquist, F.M.  U of Oregon
Eagles, D.A.  Georgetown U
Evoy, W.H.  U of Miami
Gruberg, E.  Temple U
Hatch, J.J.  U of Massachusetts, Harbor Campus
Moody, S.W.  Ohio U
Schnell, G.D.  U of Oklahoma
Sinnamon, H.M.  Wesleyan U
Spencer, A.N.  U of Alberta
Wine, J.J.  Stanford U
Woollacott, M.H.  U of Oregon

METHODOLOGY

Bowman, R.E.  U of Wisconsin, Madison
Hansen, E.W.  Rutgers-State U of N J, Newark
Jensen, D.D.  U of Nebraska, Lincoln
Losey, G.  U of Hawaii
Masterson, F.A.  U of Delaware
Mellgren, R.L.  U of Oklahoma
Peacock, L.J.  U of Georgia

DATA COLLECTION/ANALYSIS

Gass, C.L.  U of British Columbia
Green, S.  U of Miami
Rodger, R.S.  Dalhousie U
Rushforth, N.B.  Case Western Reserve U
Sackett, G.P.  U of Washington
Schnell, G.D.  U of Oklahoma
Stevens, K.A.  U of Oregon

THEORETICAL MODELS

Altmann, S.A.  U of Chicago
Beaugrand, J.P.  U du Quebec a Montreal
Breden, F.  U of Missouri-Columbia
Caraco, T.  SUNY, Albany
Hausfater, G.  U of Missouri-Columbia
Marrocco, R.T.  U of Oregon
Metzger, L.H.  U of Montana
Owen, R.E.  U of Calgary
Stevens, K.A.  U of Oregon

MOTIVATION

Ball, N.J.  Walla Walla College
Blaustein, J.D.  U of Massachusetts
Bolles, R.C.  U of Washington
Famselow, M.S.  Dartmouth College
Foster, M.A.  Ohio State U
Hogan, J.A.  U of Toronto
Johnson, A.K.  U of Iowa
Keele, S.W.  U of Oregon
Leonard, J.L.  U of Oklahoma
Littman, R.A.  U of Oregon
Mason, W.A.  UC, Davis
Masterson, F.A.  U of Delaware
Mineka, S.  U of Wisconsin, Madison
Peacock, L.J.  U of Georgia
Petersen, A.C.  Pennslvania State U
Petri, H.L  Towson State U
Phillips, R.E.  U of Minnesota
Randich, A.  U of Iowa
Sinnamon, H.M.  Wesleyan U

NATURAL HISTORY/DESCRIPTIVE STUDIES

Adler, P.H.  Clemson U
Arnold, K.A.  Texas A&M
Beer, C.G.  Rutgers-State U of N J, Newark
Bovet, J.  Laval U
Brockmann, J.  U of Florida
Christenson, T.E.  Tulane U
Clark, Jr., G.A.  U of Connecticut
Cranford, J.A.  Virginia Polytechnic Institute/State U
Fedigan, L.M.  U of Alberta
Franks, E.C.  Western Illinois U
Geist, V.  U of Calgary
Gunning, G.E.  Tulane U
Harestad, A.S.  Simon Fraser U
Haynes, J.M.  SUNY, Brockport
Henry, C.S.  U of Connecticut
Herrero, S.  U of Calgary
Hutto, R.L.  U of Montana
Jenni, D.A.  U of Montana
Jenssen, T.A.  Virginia Polytechnic Institute/State U
Johnston, R.F.  U of Kansas
Kannowski, P.B.  U of North Dakota
Krekorian, N.  San Diego State U
Kunz, T.H.  Boston U
Kurczewski, F.E.  SUNY Coll. of Environ. Sci./For.
Lang, J.W.  U of North Dakota
Leonard, J.L.  U of Oklahoma
Lippold, L.K.  San Diego State U
Matthews, R.W.  U of Georgia
Michener, C.D.  U of Kansas
Miller, D.B.  U of Connecticut
Mueller, H.C.  U of NC, Chapel Hill
Murphey, R.M.  UC, Davis
Mushinsky, H.  U of South Florida
Nursall, J.R.  U of Alberta
Otis, G.W.  U of Guelph
Pelton, M.R.  U of Tennessee
Prezant, R.S.  U of S. Mississippi
Rettenmeyer, C.W.  U of Connecticut
Sargent, T.D.  U of Massachusetts
Schein, M.W.  West Virginia U

Scully, E.P  Towson State U
Seabloom, R.W.  U of North Dakota
Shapiro, L.J.  U of Manitoba
Shaw, K.C.  Iowa State U
Sherman, P.W.  Cornell U
Stalling, D.T.  Northwestern State U
Stewart, W.W.  SUNY, Albany
Teleki, G.  George Washington U
Trapp, G.R.  California State U
Valdez, R.  New Mexico State U
Waring, G.H.  Southern Illinois U
Warnock, J.E.  Western Illinois U
Williams, K.L.  Northwestern State U
Winston, M.  Simon Fraser U
Zimmerman, J.L.  Kansas State U

## NEURAL MECHANISMS

Allrich, R.D.  Purdue U
Amlaner, C.J.  Walla Walla College
Avery, D.D.  Colorado State U
Balaban, M.  Michigan State U
Blough, P.M.  Brown U
Carlson, N.R.  U of Massachusetts
Cheng, M.  Rutgers-State U of N J, Newark
Clemens, L.G.  Michigan State U
Conner, R.L.  Bowling Green State U
Costello, M.J.  Ohio U
Croll, R.  Dalhousie U
Fite, K.V.  U of Massachusetts
Gormezano, I.  U of Iowa
Greenberg, N.  U of Tennessee
Gruberg, E.  Temple U
Hannigan, J.H.  SUNY, Albany
Harley, C.  Memorial U
Hart, B.L.  UC, Davis
Harvey, J.A.  U of Iowa
Hoy, R.  Cornell U
Jacklett, J.  SUNY, Albany
Johnson, A.K.  U of Iowa
Johnson, J.I.  Michigan State U
King, D.G.  Southern Illinois U
Klemm, W.R.  Texas A&M
Komisaruk, B.R.  Rutgers-State U of N J, Newark
Kristal, M.B.  SUNY, Buffalo
Lauder, G.V.  U of Chicago
Leonard, J.L.  U of Oklahoma
Lockard, J.S.  U of Washington
McKenna, O.  City U of New York/City College
Megela-Simmons, A.  Brown U
Nunez, A.  Michigan State U
Petry, H.M.  SUNY, Stony Brook
Quadagno, D.M.  U of Kansas
Randall, W.L.  U of Iowa
Randich, A.  U of Iowa
Richmond, G.  Michigan State U
Riley, E.P.  SUNY, Albany
Rusak, B.  Dalhousie U
Sachs, B.D.  U of Connecticut
Salinger, W.  U of NC, Greensboro
Sherry, D.  U of Toronto
Siegel, P.B.  Virginia Polytechnic Institute/State U
Sinnamon, H.M.  Wesleyan U
Smith, C.J.  SUNY, Buffalo
Spencer, A.N.  U of Alberta
Springfield, S.A.  City U of New York/City College
Stacey, N.  U of Alberta
Thomas, R.K.  U of Georgia
Tompkins, L.  Temple U
Westin, J.  Case Western Reserve U
Wright, D.  U of Missouri, Columbia
Zeigler, H.P.  CUNY/Hunter College

### BRAIN LESIONS

Bunnell, B.N.  U of Georgia
Cherry, J.C.  Virginia Polytechnic Institute/State U
Church, R.M.  Brown U
Gross, W.B.  Virginia Polytechnic Institute/State U
Hothersall, D.  Ohion State U
Isaac, W.  U of Georgia
Phillips, R.E.  U of Minnesota
Posner, M.I.  U of Oregon
Smith, C.J.  SUNY, Buffalo
Stein, D.G.  Clark U

### BRAIN STIMULATION

Adamec, R.  Memorial U

### NEUROPHYSIOLOGICAL CORRELATES

Adamec, R.  Memorial U
Bodznick, D.  Wesleyan U
Capranica, R.R.  Cornell U
DeCoursey, P.  U of South Carolina
Ely, D.  U of Akron
Evoy, W.H.  U of Miami
Gordon-Lickey, M.E.  U of Oregon
Harley, C.  Memorial U
Isaac, W.  U of Georgia
Jen, P.H.-S.  U of Missouri-Columbia
Marrocco, R.T.  U of Oregon
Moiseff, A.  U of Connecticut
Moore, J.W.  U of Massachusetts
O'Day, P.M.  U of Oregon
Ritzmann, R.E.  Case Western Reserve U
Rowe, M.H.  Ohio U
Rushforth, N.B.  Case Western Reserve U
Tieman, S.B.  SUNY, Albany
Turkewitz, G.  CUNY/Hunter College

Walker, J.M.  Brown U
Watson, W.H.  U of New Hampshire
Westerfield, M.  U of Oregon

### OTHER

Bartke, A.  Southern Illinois U
Berlind, A.  Wesleyan U
Chapple, W.D.  U of Connecticut
Dudek, B.C.  SUNY, Albany
Harding, C.F.  CUNY/Hunter College
Hull, E.M.  SUNY, Buffalo
Peterson, E.H.  Ohio U
Vom Saal, F.S.  U of Missouri-Columbia

## PLAY

Byers, J.A.  U of Idaho
Harper, L.V.  UC, Davis
Muller-Schwarze, D.  SUNY Coll. of Environ. Sci./For.
Renouf, D.  Memorial U
Trost, C.  Idaho State U

## SELF-MAINTENANCE

Clark, Jr., G.A.  U of Connecticut

## SENSORY MECHANISMS

Balaban, M.  Michigan State U
Blough, P.M.  Brown U
Capranica, R.R.  Cornell U
Croll, R.  Dalhousie U
Defran, R.H.  San Diego State U
Dimock, R.V.  Wake Forest U
Grossfield, J.  City U of New York/City College
Gruberg, E.  Temple U
Gunning, G.E.  Tulane U
Hailman, J.P.  U of Wisconsin, Madison
Hinson, J.M.  Washington State U
Johnson, J.I.  Michigan State U
Miller, R.J.  Oklahoma State U
Moore, F.R.  U of S. Mississippi
Novak, S.  CUNY/Hunter College
Nunez, A.  Michigan State U
Renouf, D.  Memorial U
Saladin, K.S.  Georgia College
Salmon, M.  U of Illinois
Smith, C.J.  SUNY, Buffalo
Spencer, A.N.  U of Alberta
Walcott, C.  Cornell U
Westin, J.  Case Western Reserve U
Wine, J.J.  Stanford U

### AUDITION

Awbrey, R.T.  San Diego State U
Beecher, M.D.  U of Washington
Gourevitch, G.  CUNY/Hunter College
Jen, P.H.-.S.  U of Missouri-Columbia
Megela-Simmons, A.  Brown U
Moiseff, A.  U of Connecticut
Popper, A.N.  Georgetown U
Savage, J.M.  U of Miami
Simmons, J.A.  U of Oregon
Sorrentino, R.P.  Brown U
Suthers, R.A.  Indiana U

### CHEMICAL

Alberts, J.R.  Indiana U
Atema, J.  Boston U
Burghardt, G.M.  U of Tennessee
Cane, J.H.  Auburn U
Maruniak, J.A.  U of Missouri-Columbia
McCutcheon, N.B.  SUNY, Albany
Stevens, D.A.  Clark U

### VISION

Blough, D.  Brown U
Fernald, R.D.  U of Oregon
Fite, K.V.  U of Massachusetts
Gordon, J.  CUNY/Hunter College
Gordon-Lickey, B.  U of Oregon
Grant, P.  U of Oregon
Hamilton, P.  U of West Florida
Jander, R.  U of Kansas
Marrocco, R.T.  U of Oregon
McKenna, O.  City U of New York/City College
Mote, M.  Temple U
O'Day, P.M.  U of Oregon
Peterson, E.H.  Ohio U
Petry, H.M.  SUNY, Stony Brook
Rowe, M.H.  Ohio U
Rusak, B.  Dalhousie U
Salinger, W.  U of NC, Greensboro
Stark, W. S.  U of Missouri-Columbia
Stevens, K.A.  U of Oregon
Tieman, S.B.  SUNY, Albany
Wallman, J.  City U of New York/City College

### OTHER

Beason, R.C.  SUNY, Geneseo
Bodznick, D.  Wesleyan U
Chapple, W.D.  U of Connecticut
Eagles, D.A.  Georgetown U
Evoy, W.H.  U of Miami

Herron, P. U of Massachusetts
Hopkins, C.D. Cornell U
Neill, W.H. Texas A&M
Walcott, C. Cornell U
Zeigler, H.P. CUNY/Hunter College

## SLEEP

Amlaner, C.J. Walla Walla College
Ball, N.J. Walla Walla College
Twente, J.W. U of Missouri-Columbia

## SOCIAL BEHAVIOR

Abrams, P.A. U of Minnesota
Adamec, R. Memorial U
Alcock, J. Arizona State U
Alexander, R.D. U of Michigan
Altmann, J. U of Chicago
Armitage, K.B. U of Kansas
Awbrey, R.T. San Diego State U
Baenninger, R. Temple U
Baker, M.C. Colorado State U
Balda, R.P. Northern Arizona U
Barfield, R.J. Rutgers U
Barlow, G.W. UC, Berkeley
Beaugrand, J.P. U du Quebec a Montreal
Beaver, B. Texas A&M
Boness, D.K. Smithsonian Institution
Bradbury, J.W. UC, San Diego
Breden, F. U of Missouri-Columbia
Brooks, R.J. U of Guelph
Brown, J.L. SUNY, Albany
Brown, R.E. Dalhousie U
Burger, J. Rutgers University
Burke, M.G. U of North Dakota
Byers, J.A. U of Idaho
Cade, W.H. Brock U
Caine, N.G. Bucknell U
Candland, D.K. Bucknell U
Carpenter, C.C. U of Oklahoma
Christenson, T.E. Tulane U
Colgan, P. Queen's U, Kingston
Collier, G. San Diego State U
Craig, J.V. Kansas State U
Cranford, J.A. Virginia Polytechnic Institute/State U
Defran, R.H. San Diego State U
Derrickson, S.R. Smithsonian Institution
Dewsbury, D.A. U of Florida
Dill, L.M. Simon Fraser U
Drummond, H. U Nacional Autonoma de Mexico
Dunham, D.W. U of Toronto
Eickwort, G.C. Cornell U
Eisenberg, J.F. U of Florida
Ely, D. U of Akron
Emlen, S.T. Cornell U
Erickson, C.J. Duke U
Estep, D.Q. U of Georgia
Fa, J. U Nacional Autonoma de Mexico
Fagre, D.B. Texas A&M
Fentress, J.C. Dalhouie U
Ficken, M.S. U of Wisconsin, Milwaukee
Figler, M.H. Towson State U
Fitzgerald, G.J. Laval U
Fleming, T.H. U of Miami
Fletcher, D.J.C. U of Georgia
Gallup, G.G. SUNY, Albany
Galusha, J.G. Walla Walla College
Geist, V. U of Calgary
Gerhardt, H.C. U of Missouri-Columbia
Gowaty, P.A. Clemson U
Goy, R.W. U of Wisconsin, Madison
Graves, H.B. Pennsylvania State U
Greenberg, N. U of Tennessee
Griswold, J.G. City U of New York/City College
Hainsworth, F.R. Syracuse U
Halpin, Z.T. U of Missouri-St. Louis
Hannon, S. U of Alberta
Hansen, E.W. Rutgers-State U of N J, Newark
Hausfater, G. U of Missouri-Columbia
Heppner, F. U of Rhode Island
Hermann, H.R. U of Georgia
Hoffman, D.L. Bucknell U
Holmes, R.T. Dartmouth College
Holmes, W. U of Michigan
Horn, A. Colorado State U
Howard, R.D. Purdue U
Hunsaker, D. San Diego State U
Hunt, G.L. UC, Irvine
Itzkowitz, M. Lehigh U
Jenni, D.A. U of Montana
Klopfer, P. Duke U
Knapton, R. Brock U
Kramer, D.L. McGill U
Krekorian, N. San Diego State U
Kristal, M.B. SUNY, Buffalo
Kunz, T.H. Boston U
Lancaster, J.B. U of Oklahoma
Lang, J.W. U of North Dakota
Larson, J.S. U of Massachusetts
Lederhouse, R.C. Rutgers-State U of N J, Newark
Lenington, S. Rutgers-State U of N J, Newark
Lerner, J.V. Pennsilvania State U
Lerner, R.M. Pennsylvania State U
Lippold, L.K. San Diego State U
Losey, G. U of Hawaii
Lott, D.F. UC, Davis
Luykx, P. U of Miami
Maple, T.L. Georgia Inst. of Tech.
Marcellini, D.L. Smithsonian Institution
Mason, L.G SUNY, Albany
McCracken, G.F. U of Tennessee
Michener, C.D. U of Kansas
Miller, R.J. Oklahoma State U
Mock, D.W. U of Oklahoma
Moller, P. CUNY/Hunter College
Montgomerie, R.D. Queen's U
Moore, F.R. U of S. Mississippi
Mumme, R.L. Memphis State U
Murie, J.O. U of Alberta
Myrberg, Jr., A. U of Miami
Nash, L.T. Arizona State U
New, J.C. U of Tennessee
Noakes, D.L.G. U of Guelph
Norton, R.A. SUNY Coll. of Environ. Sci./For.
Packard, J.M. Texas A&M
Packer, C. U of Minnesota
Poirier, F.E. Ohio State U
Quadagno, D.M. U of Kansas
Rabenold, K.N. Purdue U
Randall, J.A. Central Missouri State U
Raveling, D.G. UC, Davis
Reese, E.S. U of Hawaii
Renouf, D. Memorial U
Rhine, R.J. UC, Riverside
Richmond, G. Michigan State U
Ritchison, G. Eastern Kentucky U
Robel, R.J. Kansas State U
Robinson, J.G. U of Florida
Rovner, J.S. Ohio U
Rowland, W. Indiana U
Schein, M.W. West Virginia U
Schemske, D.W. U of Chicago
Scully, E.P Towson State U
Tamarin, R.H. Boston U
Terman, C.R. College of William and Mary
Thompson, N.S. Clark U
Topoff, H. CUNY/Hunter College
Traniello, J. Boston U
Trapp, G.R. California State U
Travis, C.B. U of Tennessee
Uetz, G.W. U of Cincinnati
Vehrencamp, S.L. UC, San Diego
Vestal, B.M. U of Oklahoma
Wallen, K. Emory U
Wasserman, F.E. Boston U
Weaver, N. U of Massachusetts, Harbor Campus
Weigl, P.D. Wake Forest U
Weise, C.M. U of Wisconsin, Milwaukee
Wells, K.D. U of Connecticut
White, L.E. Dalhousie U
Wiley, R.H. U of NC, Chapel Hill
Wolf, L.L. Syracuse U
Wyers, E.J. SUNY, Stony Brook
Ydenberg, R.C. Simon Fraser U
Zimmerman, J.L. Kansas State U

## AGGRESSION

Barash, D.P. U of Washington
Barkley, M.S. UC, Davis
Bernstein, I.S. U of Georgia
Bunnell, B.N. U of Georgia
Burgess, R.L. Pennsylvania State U
Burk, T. Creighton U
Cairnes, R.B. U of North Carolina
Caldwell, R.L. UC, Berkeley
Craig, J.V. Kansas State U
Hampton, R.E. Central Michigan U
Hazlett, B.A. U of Michigan
Hermann, H.R. U of Georgia
Hood, K.E. Pennsylvania State U
Lehner, P.N. Colorado State U
Littman, R.A. U of Oregon
McGlone, J.J. Texas Tech. U
Robinson, S.K. U of Illinois
Robinson, S.K. U of Illinois
Svare, B.B. SUNY, Albany
Udvardy, M.D.F. California State U
Valdez, R. New Mexico State U

## DOMINANCE

Albright, J.L. Purdue U
Balph, M.H. Utah State U
Bernstein, I.S. U of Georgia
Boag, D.A. U of Alberta
Breed, M.D. U of Colorado
Craig, J.V. Kansas State U
Fernald, R.D. U of Oregon
Floody, O.R. Bucknell U
Friend, T. Texas A&M
Frydendall, M.J. Mankato State U
Gauthreaux, S.A. Clemson U
Grubb, T.C. Ohio State U
Hermann, H.R. U of Georgia
Kaufmann, J.H. U of Florida
Pulliam, H.R. U of Georgia
Stalling, D.T. Northwestern State U
Stricklin, W.R. U of Maryland
Tokarz, R.R. U of Miami
Trost, C. Idaho State U

## PARENTAL/FILIAL

Barclay, R.M.R. U of Calgary
Berman, C.M. SUNY, Buffalo
Buntin, J.D. U of Wisconsin, Milwaukee
Collopy, M.W. U of Florida
Cramer, C.P. Dartmouth College
Eisenberg, J.F. U of Florida
Gottlieb, G. U of NC, Greensboro
Hrdy, S.B. UC, Davis

Keenleyside, M.H.A.  U of Western Ontario
Ketterson, E.D.  Indiana U
Mason, W.A.  UC, Davis
Miller, D.E.  Washington State U
Mineka, S.  U of Wisconsin, Madison
Montevecchi, W.A.  Memorial U
Morris, R.D.  Brock U
Novak, M.  U of Massachusetts
Ralls, K.  Smithsonian Institution
Rosenblatt, J.S.  Rutgers-State U of N J, Newark
Sargent, R.C.  Simon Fraser U
Shapiro, L.J.  U of Manitoba
Siegel, H.I.  Rutgers-State U of N J, Newark
Stamps, J.  UC, Davis
Sunquist, M.E.  U of Florida
Svare, B.B.  SUNY, Albany
Walters, J.R.  NC State U
Wood, T.K.  U of Delaware

SEX AND REPRODUCTION

Adkins-Regan, E.  Cornell U
Alcock, J.  Arizona State U
Allrich, R.D.  Purdue U
Atema, J.  Boston U
Avila, V.L.  San Diego State U
Barash, D.P.  U of Washington
Barkley, M.S.  UC, Davis
Barnett, C.  Illinois State U
Barrows, E.M.  Georgetown U
Bartke, A.  Southern Illinois U
Baylis, J.R.  U of Wisconsin, Madison
Beck, B.B.  Smithsonian Institution
Bernstein, I.S.  U of Georgia
Blaustein, J.D.  U of Massachusetts
Brooks, R.J.  U of Guelph
Brown, C.R.  Yale U
Buntin, J.D.  U of Wisconsin, Milwaukee
Burk, T.  Creighton U
Burley, N.  U of Illinois
Cheng, K.M.  U of British Columbia
Clemens, L.G.  Michigan State U
Coe, C.  U of Wisconsin, Madison
Conner, W.E.  Duke U
Crawford, R.D.  U of North Dakota
Dewsbury, D.A.  U of Florida
Endler, J.A.  U of Utah
Feder, H.H.  Rutgers-State U of N J, Newark
Fedigan, L.M.  U of Alberta
Ferrell, B.R.  Western Kentucky U
Fischer, E.A.  U of Washington
Fivizzani, A.J.  U of North Dakota
Floody, O.R.  Bucknell U
French, J.A.  U of Nebraska, Omaha
Gillingham, J.C.  Central Michigan U
Gluesing, E.A.  Mississippi State U
Goldfoot, D.  U of Wisconsin, Madison
Green, J.M.  Memorial U
Gross, M.R.  Simon Fraser U
Hamas, M.J.  Central Michigan U
Hampton, R.E.  Central Michigan U
Harding, C.F.  CUNY/Hunter College
Henry, C.S.  U of Connecticut
Houck, L.D.  U of Chicago
Houpt, K.A.  Cornell U
Hrdy, S.B.  UC, Davis
Hull, E.M.  SUNY, Buffalo
Johnston, R.E.  Cornell U
Kannowski, P.B.  U of North Dakota
Keenleyside, M.H.A.  U of Western Ontario
Kodric-Brown, A.  U of Arizona
Koenig, W.D.  UC, Berkeley
Kurland, J.A.  Pennsylvania State U.
Leger, D.W.  U of Nebraska, Lincoln
Lemon, R.E.  McGill U
Liley, N.R.  U of British Columbia
Logan, C.A.  U of NC, Greensboro
Lounibos, L.P.  U of Florida
Lynch, G.R.  Wesleyan U
Mason, L.G  SUNY, Albany
Matthews, R.W.  U of Georgia
Mayer, A.D.  Rutgers-State U of N J, Newark
McClintock, M.K.  U of Chicago
McKinney, F.  U of Minnesota
Moberg, G.P.  UC, Davis
Montgomery, W.L.  Northern Arizona U
Morris, R.D.  Brock U
Morrison, D.W.  Rutgers-State U of N J, Newark
Morse, R.A.  Cornell U
Murphy, E.C.  U of Alaska
Nelson, C.E.  Indiana U
Orcutt, S.F.  U of Akron
Otis, G.W.  U of Guelph
Packer, C.  U of Minnesota
Price, E.O.  UC, Davis
Pusey, A.E.  U of Minnesota
Raitt, R.J.  New Mexico State U
Ralls, K.  Smithsonian Institution
Reboulleau, C.P.  Rutgers-State U of N J, Newark
Robinson, M.H.  Smithsonian Institution
Rutowski, R.L.  Arizona State U
Sachs, B.D.  U of Connecticut
Sackett, G.P.  U of Washington
Savage, J.M.  U of Miami
Scarbrough, A.G.  Towson State U
Schwagmeyer, P.L.  U of Oklahoma
Siegel, H.I.  Rutgers-State U of N J, Newark
Silvy, N.J.  Texas A&M
Speith, H.T.  UC, Davis
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Storey, A.E.  Memorial U
Stratton, G.  Bradley U
Tokarz, R.R.  U of Miami
Turner, M.  U of Akron
Valdez, R.  New Mexico State U
Vinson, S.B.  Texas A&M
Waage, J.K.  Brown U
Walters, J.R.  NC State U
West, D.A.  Virginia Polytechnic Institute/State U
Zucker, N.  New Mexico State U

SOCIAL SPACING

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Boag, D.A.  U of Alberta
Brown, C.R.  Yale U
Getz, L.L.  U of Illinois
Inglis, J.M.  Texas A&M
Kaufmann, J.H.  U of Florida
Madison, D.M.  SUNY, Binghamton
Mares, M.A.  U of Oklahoma
Ralston, S.  Colorado State U
Reichman, O.J.  Kansas State U
Simpson, B.S.  Case Western Reserve
Smith, C.C.  Kansas State U
Stricklin, W.R.  U of Maryland
Udvardy, M.D.F.  California State U
Zucker, N.  New Mexico State U

OTHER

Blaustein, A.R.  Oregon State U
Breed, M.D.  U of Colorado
Brooks, R.J.  U of Guelph
Brown, J.L.  SUNY, Albany
Cheng, M.  Rutgers-State U of N J, Newark
Fitzpatrick, J.W.  U of Chicago
Jeanne, R.L.  U of Wisconsin, Madison
Kruggel, T.G  Towson State U
Lennartz, M.R.  Clemson U
Montgomery, W.L.  Northern Arizona U
Morse, R.A.  Cornell U
Nolan, Jr., V.  Indiana U
Owen, R.E.  U of Calgary
Smith, J.W.  U of Pennsylvania
Waldman, B.  Harvard U

OTHER

Abrahamson, W.G.  Bucknell U
Alberts, J.R.  Indiana U
Amlaner, C.J.  Walla Walla College
Bass, A.H.  Cornell U
Beaver, B.  Texas A&M
Bowman, R.E.  U of Wisconsin, Madison
Candland, D.K.  Bucknell U
Carter, C.S.  U of Maryland
Clark, J.M.  Dalhousie U
Creighton, P.D.  Towson State U
Endler, J.A.  U of Utah
Fantino, E.  UC, San Diego
Fedigan, L.M.  U of Alberta
Fite, K.V.  U of Massachusetts
Fragaszy, D.M.  Washington State U
Gass, C.L.  U of British Columbia
Gordon-Lickey, B.  U of Oregon
Grant, P.  U of Oregon
Hopkins, C.D.  Cornell U
Hoy, R.  Cornell U
Kimmel, C.B.  U of Oregon
Kingsolver, J.  Brown U
Kopp, J.  U of Texas, Arlington
Kramer, D.L.  McGill U
Lefebvre, L.  McGill U
Lillywhite, H.B.  U of Florida
Mann, M.A.  U of Texas, Arlington
Manning, S.K.  CUNY/Hunter College
McCain, G.  U of Texas, Arlington
Menaker, M.  U of Oregon
Moberg, G.P.  UC, Davis
Novak, S.  CUNY/Hunter College
Pavlik, W.B.  U of Georgia
Peterson, E.H.  Ohio U
Pickard, G.E.  U of Oregon
Poirier, F.E.  Ohio State U
Ristau, C.A.  Rockefeller U
Ritzmann, R.E.  Case Western Reserve U
Scarbrough, A.G.  Towson State U
Schrier, A.M.  Brown U
Simmons, J.A.  U of Oregon
Spetch, M.  Dalhousie U
Tarpy, R.M.  Bucknell U
Terman, C.R.  College of William and Mary
Travis, C.B.  U of Tennessee
Vinson, S.B.  Texas A&M
Wallman, J.  City U of New York/City College
Wasserman, E.A.  U of Iowa
White, L.E.  Dalhousie U
Wiley, R.H.  U of NC, Chapel Hill

# SECTION III - ORGANISM INDEX

## BACTERIA

Dahlquist F.W. U of Oregon

## PROTOZOA

Forte M. Case Western U

## CNIDARIA

Rushforth N.B. Case Western U
Spencer A.N. U of Alberta

## PLATYHELMINTHES

### CESTODA

Moore J. Colorado State U

### TURBELLARIA

Wrona F.J. U of Calgary

## NEMERTINA

Jensen D.D. U of Nebraska, Lincoln

## MOLLUSCA

### CEPHALOPODA

Brandt S.B. SUNY Coll. of Environ. Sci./For.

### GASTROPODA

Boag D.A. U of Alberta
Croll R. Dalhousie U
Dimock R.V. Wake Forest U
Fitzgerald G.J. Laval U
Fraser D.F. SUNY, Albany
Gordon-Lickey M.E. U of Oregon
Hamilton P. U of West Florida
Hoffman D.L. Bucknell U
Jacklett J. SUNY, Albany
McCracken G.F. U of Tennessee
Prezant R.S. U of S. Mississippi
Rowland W. Indiana U
Rutowski R.L. Arizona State U
Sargent R.C. Simon Fraser U
Spencer A.N. U of Alberta
Weldon P.J. Texas A&M

### PELECYPODA

Hoffman D.L. Bucknell U
Prezant R.S. U of S. Mississippi
Ydenberg R.C. Simon Fraser U

## ANNELIDA

### OLIGOCHAETA

Dimock R.V. Wake Forest U
Wyers E.J. SUNY, Stony Brook

### POLYCHAETA

Prezant R.S. U of Southern Mississippi

## ARTHROPODA

### CRUSTACEA

Abrams P.A. U of Minnesota
Atema J. Boston U
Barnwell F. U of Minnesota
Berlind A. Wesleyan U
Brandt S.B. SUNY Coll. of Environ. Sci./For.
Brockmann J. U of Florida
Caldwell R.L. U of Calif., Berkeley
Chapple W.D. U of Connecticut
Costello W.J. Ohio U
DeCoursey P. U of South Carolina
Dunham D.W. U of Toronto
Eagles D.A. Georgetown U
Ebersole J.E. U of Massachusetts, Harbor Campus
Evoy W.H. U of Miami
Folt C.L. Dartmouth College
Francq E.N. U of New Hampshire
Hamilton P. U of West Florida
Hazlett B.A. U of Michigan
Hoffman D.L. Bucknell U
Miller R.J. Oklahoma State U
Mote M. Temple U
Rebach S. U of Maryland, E. Shore
Reese E.S. U of Hawaii
Salmon M. U of Illinois
Scully E.P Towson State U
Stalling D.T. Northwestern State U
Wine J.J. Stanford U
Zucker N. New Mexico State U

### INSECTA

#### COLEOPTERA

Abrahamson W.G. Bucknell U
Alcock, J. Arizona State U
Barrows E.M. Georgetown U
Breden F. U of Missouri - Columbia
Burk, T. Creighton U
Cane, J.H. Auburn U
Carrel J.E. U of Missouri - Columbia
Eisner, T. Cornell U
Kannowski P.B. U of North Dakota
Lanier G.N. SUNY Coll. of Environ. Sci./For.
Lederhouse R.C. Rutgers-State U of N J, Newark
Lloyd J.E. U of Florida
Mason L.G SUNY, Albany
Ristau C.A. Rockefeller U
Slobodchikoff C.N. Northern Arizona U
Stamp N.E. SUNY, Binghamton
Traniello J. Boston U

#### COLLEMBOLA

Kannowski, P.B. U of North Dakota

#### DERMAPTERA

Cade W.H. Brock U

#### DIPTERA

Abrahamson W.G. Bucknell U
Adler P.H. Clemson U
Bell W.J. U of Kansas
Bradshaw W.E. U of Oregon
Burk T. Creighton U
Conner W.E. Duke U
Costello W.J. Ohio U
Folt C.L. Dartmouth U
Forte M. Case Western Reserve
Foster W.A. Ohio State U
Grossfield J. City U of New York/City College
Hirsch J. U of Illinois-Urbana
King D.G. Southern Illinois U
Kingsolver J. Brown U
Klowden M.J. U of Idaho
Kurczewski F.E. SUNY Coll. of Environ. Sci./For.
Lounibos L.P. U of Florida
Roitberg B.D. Simon Fraser U
Scarbrough A.G. Towson State U
Speith H.T. U of Calif., Davis
Stark W. S. U of Missouri - Columbia
Starmer W.T. Syracuse U
Tompkins L. Temple U
Turner W. U of Akron
Wolf L.L. Syracuse U

#### HEMIPTERA

Caldwell R.L. U of Calif., Berkeley
Dill L.M. Simon Fraser U
Dingle, H. U of Calif., Davis
Mason L.G SUNY, Albany
McMahan E.A. U of NC, Chapel Hill
Slansky, Jr. F. U of Florida
Vehrencamp, S.L. U of Calif., San Diego
Wilcox R.S. SUNY, Binghamton

#### HOMOPTERA

Alexander R.D. U of Michigan
Dingle H. U of Calif., Davis
Roitberg B.D. Simon Fraser U
Shaw K.C. Iowa State U
Wood T.K. U of Delaware

#### HYMENOPTERA

Abrahamson W.G. Bucknell U
Alcock, J. Arizona State U
Barrows, E.M. Georgetown U
Baylis J.R. U of Wisconsin, Madison
Blum M.S. U of Georgia
Breed M.D. U of Colorado
Brockmann J. U of Florida
Cane, J.H. Auburn U
Conner W.E. Duke U
Dietz A. U of Georgia
Eickwort G.C. Cornell U
Erickson E.H. U of Wisconsin, Madison
Fletcher D.J.C. U of Georgia
Gary N.E. U of Calif., Davis
Hermann H.R. U of Georgia
Holldobler B. Harvard U
Inouye D.W. U of Maryland
Jackson D. U of Akron
Jander R. U of Kansas
Jeanne R.L. U of Wisconsin, Madison
Kannowski P.B. U of North Dakota
Kurczewski F.E. SUNY Coll. of Environ. Sci./For.
Macior W. U of Akron
Matthews R.W. U of Georgia
Michener C.D. U of Kansas
Montgomerie R.D. Queen's U
Morse D.H. Brown U
Morse R.A. Cornell U
Otis G.W. U of Guelph

Owen R.E. U of Calgary
Rettenmeyer C.W. U of Connecticut
Saladin K. S. Georgia College
Schemske D.W. U of Chicago
Southwick E.E. State U of New York-Brockport
Stamp N.E. SUNY, Binghamton
Stoutmire W. U of Akron
Strassmann J. Rice U
Thompson J.N. Washington State U
Topoff H. CUNY/Hunter College
Traniello J. Boston U
Vinson S.B. Texas A&M
Waddington K.D. U of Miami
Weaver N. U of Massachusetts, Harbor Campus
Winston M. Simon Fraser U

### ISOPTERA

Blum M.S. U of Georgia
Luykx P. U of Miami
McMahan E.A. U of NC, Chapel Hill
Stuart A.M. U of Massachusetts
Traniello J. Boston U

### LEPIDOPTERA

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Barrows, E. M. Georgetown U
Conner W.E. Duke U
Endler J.A. U of Utah
Greenfield M. D. U of Calif., Los Angeles
Inouye D.W. U of Maryland
Kingsolver J. Brown U
Knapton R. Brock U
Lederhouse R.C. Rutgers-State U of N J, Newark
Lounibos L.P. U of Florida
Otis G.W. U of Guelph
Rutowski, R.L. Arizona State U
Sargent T.D. U of Massachusetts
Scarbrough A.G. Towson State U
Schultz J.C. Pennsylvania State U
Shields, W. M. SUNY Coll. Environ. Sci./For.
Slansky, Jr. F. U of Florida
Stamp N.E. SUNY, Binghamton
Thompson J.N. Washington State U
West D.A. Virginia Polytechnic Institute/State U
Winston M. Simon Fraser U

### NEUROPTERA

Henry C.S. U of Connecticut

### ODONATA

Erickson C.J. Duke U
Howard R.D. Purdue U
Koenig W.D. U of Calif., Berkeley
Montgomerie R.D. Queen's U
Waage J.K. Brown U
Wolf L.L. Syracuse U

### ORTHOPTERA

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Breed M.D. U of Colorado
Burk T. Creighton U
Cade W.H. Brock U
Capranica R.R. Cornell U
Dingle, H. U of Calif., Davis
Greenfield, M.D. U of Calif., Los Angeles
Hoy R. Cornell U
Mote M. Temple U
Ritzmann R.E. Case Western Reserve U
Roberts S.K. Temple U
Robinson, M.H. Smithsonian Inst.
Schultz J.C. Pennsylvania State U
Shaw K.C. Iowa State U
Simpson B.S. Case Western Reserve U
Westin J. Case Western Reserve U

### PLECOPTERA

Wrona F.J. U of Calgary

### SIPHONAPTERA

Saladin K.S. Georgia College

### TRICHOPTERA

Wrona F.J. U of Calgary

### INSECTA - OTHER

Larkin R.P. U of Illinois
Morton E.S. Smithsonian Inst.

### ARACHNIDA

Anthoney T.R. Southern Illinois U
Burger J. Rutgers U
Cane J.H. Auburn U
Christenson T.E. Tulane U
Dimock R.V. Wake Forest U
Eickwort G.C. Cornell U
Gillingham J.C. Central Michigan U
Gordon J. CUNY/Hunter College
Kaufmann J.H. U of Florida
Morse D.H. Brown U
Mushinsky H. U of South Florida
Norton R.A. SUNY Coll. of Environ. Sci./For.
O'Day P.M. U of Oregon
Owens D.W. Texas A&M
Peterson E.H. Ohio U
Riechert S.E. U of Tennessee
Robinson M.H. Smithsonian Institution
Rovner J.S. Ohio U
Stratton G. Bradley U
Uetz G.W. U of Cincinnati
Weigl P.D. Wake Forest U

## ECHINODERMATA

### ECHINOIDEA

Francq E.N., U of New Hampshire

## CHORDATA

### PISCES

#### AGNATHA

Bodznick D. Wesleyan U

#### CHONDRICHTHYES

Bodznick D. Wesleyan U
Lien J. Memorial U
Myrberg A.A. U of Miami

#### OSTEICHTHYES

Barkley M.S. UC, Davis
Baylis J.R. U of Wisconsin, Madison
Brandt S.B. SUNY Coll. of Environ. Sci./For.
Colgan P. Queen's U, Kingston
Evoy W.H. U of Miami
Fischer E.A. U of Washington
Hampton R.E. Central Michigan U
Klopfer P. Duke U
Kramer D.L. McGill U
Losey G. U of Hawai
Owens D.W. Texas A&M
Popper A.N. Georgetown U
Waldman B. Harvard U

##### ACIPENSERIFORMES

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##### ANGUILLIFORMES

Helfman G.S. U of Georgia

##### ATHERINIFORMES

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Beaugrand J.P. U of Quebec
Itzkowitz M. Lehigh U
Kodric-Brown A. U of Arizona
Leger D.W. U of Nebraska, Lincoln
Liley N.R. U of British Columbia

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##### CLUPEIFORMES

Jahn L.A. Western Illinois U

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Hopkins C.D. Cornell U
Kimmel C.B. U of Oregon
Kodric-Brown A. U of Arizona
Miller R.J. Oklahoma State U
Moller P. CUNY/Hunter College
Motta P.J. U of Montana
Nicolaus L.K. Northern Illinois U
Smith R.J.F. U of Saskatchewan
Stacey N. U of Alberta
Westerfield M. U of Oregon

##### CYPRINODONTIFORMES

Beaugrand J.P. U du Quebec a Montreal
Breden F. U of Missouri - Columbia
Endler J.A. U of Utah
Fivizzani A.J. U of North Dakota
Fraser D.F. SUNY, Albany
Kodric-Brown A. U of Arizona
Nicolaus L.K. Northern Illinois U

##### GASTEROSTEIFORMES

Fitzgerald G.J. Laval U

Fraser D.F. SUNY, Albany
Rowland W. Indiana U

### GYMNOTIFORMES

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Moller P. CUNY/Hunter College

### MORMYRIFORMES

Bass A.H. Cornell U
Hopkins C.D. Cornell U
Moller P. CUNY/Hunter College

### OSTEOGLOSSIFORMES

Moller P. CUNY/Hunter College

### PERCIFORMES

Avila V.L. San Diego State U
Baenninger R. Temple U
Barlow G.W. UC, Berkeley
Barnett C. Illinois State U
Bass A.H. Cornell U
Burke M.G. U of North Dakota
Cole K.S. U of Puerto Rico, Mayaguez
Ebersole J.E. U of Massachusetts, Harbor Campus
Endler J.A. U of Utah
Fernald R.D. U of Oregon
Figler M.H. Towson State U
Folt C.L. Dartmouth College
Green J.M. Memorial U
Gunning G.E. Tulane U
Haynes J.M. SUNY, Brockport
Helfman G.S. U of Georgia
Itzkowitz M. Lehigh U
Jahn L.A. Western Illinois U
Keenleyside M.H.A. U of Western Ontario
Leighton-Shapiro M. U of Puerto Rico, Mayaguez
Liley N.R. U of British Columbia
Miller R.J. Oklahoma State U
Montgomery W.L. Northern Arizona U
Motta P.J. U of Montana
Myrberg, Jr. A. U of Miami
Neill W.H. Texas A&M
Nursall J.R. U of Alberta
Reese E.S. U of Hawaii
Ringler N.H. SUNY Coll. of Environ. Sci./For.
Rowland W. Indiana U
Sadovy Y. U of Puerto Rico, Mayaguez
Shapiro D.Y. U of Puerto Rico, Mayaguez
Smith R.J.F. U of Saskatchewan
Stacey N. U of Alberta
Stein R.A. Ohio State U
Taylor R.J. Clemson U
Wyers E.J. SUNY, Stony Brook

### SALMONIFORMES

Beaugrand J.P. U du Quebec a Montreal
Cole K.S. U of Puerto Rico, Mayaguez
Culp J.M. U of Calgary
Fitzgerald G.J. Laval U
Green J.M. Memorial U
Haynes J.M. SUNY, Brockport
Keenleyside M.H.A. U of Western Ontario
Liley N.R. U of British Columbia
Montgomery W.L. Northern Arizona U
Neill W.H. Texas A&M
Noakes D.L.G. U of Guelph
Ringler N.H. SUNY Coll. of Environ. Sci./For.
Smith R.J.F. U of Saskatchewan

### SCORPAENIFORMES

Bass A.H. Cornell U
Trost C. Idaho State U

### SILURIFORMES

Atema J. Boston U
Moller P. CUNY/Hunter College
Ringler N.H. SUNY Coll. of Environ. Sci./For.

## AMPHIBIA

Adler K. Cornell U
Lang J.W. U of North Dakota

### APODA

Awbrey R.T. San Diego State U

### CAUDATA

Arnold S.J. U of Chicago
Forester D.C. Towson State U
Houck L.D. U of Chicago
Jaeger R.G. U of Southwestern Louisiana
Lauder G.V. U of Chicago
Madison D.M. SUNY, Binghamton
Nelson C.E. Indiana U

### SALIENTIA (=ANURA)

Avila V.L. San Diego State U
Barthalmus G. North Carolina State U
Blaustein A.R. Oregon State U
Capranica R.R. Cornell U
Carpenter C.C. U of Oklahoma
Evoy W.H. U of Miami
Fite K.V. U of Massachusetts
Forester D.C. Towson State U
Gerhardt H. C. U of Missouri - Columbia
Gordon J. CUNY/Hunter College
Grant P. U of Oregon
Gruberg E. Temple U
Hailman J.P. U of Wisconsin, Madison
Hausfater G. U of Missouri - Columbia
Howard R.D. Purdue U
Jaeger R.G. U of Southwestern Louisiana
Jenssen T.A. Virginia Polytechnic Institute/State U
Lee J.C. U of Miami
Lemon R.E. McGill U
Lillywhite H.B. U of Florida
Megela-Simmons A. Brown U
Murphey R.K. UC, Davis
Nelson C.E. Indiana U
Oring L.W. U of North Dakota
Savage J.M. U of Miami
Shields W.M. SUNY Coll. of Environ. Sci./For.
Stewart M.M. SUNY, Albany
Waldman B. Harvard U
Wells K.D. U of Connecticut
Westerfield M. U of Oregon
Williams K.L. Northwestern State U

## REPTILIA

Adler K. Cornell U
Burghardt G.M. U of Tennessee
Lang J.W. U of North Dakota

### CHELONIA

Anthoney T.R. Southern Illinois U
Burger J. Rutgers U
Gillingham J.C. Central Michigan U
Gordon J. CUNY/Hunter College
Kaufmann J.H. U of Florida
Mushinsky H. U of South Florida
Nelson C.E. Indiana U
Owens D.W. Texas A&M
Peterson E.H. Ohio U
Weigl P.D. Wake Forest U

### CROCODILIA

Lang J.W. U of North Dakota

### SAURIA

Burghardt G.M. U of Tennessee
Capranica R.R. Cornell U
Carpenter C.C. U of Oklahoma
Duvall D. U of Wyoming
Ferrell B.R. Western Kentucky U
Greenberg N. U of Tennessee
Hunsaker D. San Diego State U
Jenssen T.A. Virginia Polytechnic Institute/State U
Krekorian N. San Diego State U
Lee J.C. U of Miami
Lewis A.R. U Puerto Rico, Mayaguez
Lillywhite H.B. U of Florida
Marcellini D.L. Smithsonian Institution
Menaker M. U of Oregon
Moody S.M. Ohio U
Mushinsky H. U of South Florida
Savage J.M. U of Miami
Simon C.A. City U of New York/City College
Stamps J. UC, Davis
Tokarz R.R. U of Miami
Williams K.L. Northwestern State U
Zucker N. New Mexico State U

### SERPENTES

Anthoney T.R. Southern Illinois U
Arnold S.J. U of Chicago
Burger J. Rutgers U
Burghardt G.M. U of Tennessee
Carpenter C.C. U of Oklahoma
Drummond H. U Nacional Autonoma de Mexico
Duvall D. U of Wyoming
Gillingham J.C. Central Michigan U
Gochfeld M. UMDNJ- Rutgers Medical School
Gruberg E. Temple U
Halpin Z. T. U of Missouri - St. Louis
Lillywhite H.B. U of Florida
Mushinsky H. U of South Florida
Weldon P.J. Texas A&M
Williams K.L. Northwestern State U

## AVES

Brown J.L. SUNY, Albany
Clark, Jr. G.A. U of Connecticut
Creighton P.D. Towson State U
Faaborg J. U of Missouri - Columbia
Gauthreaux S.A. Clemson U
Gluesing E.A. Mississippi State U
Hamas M.J. Central Michigan U
Jenni D.A. U of Montana
Klopfer P. Duke U
Larkin R.P. U of Illinois
Lehner P.N. Colorado State U
Leighton-Shapiro M. U of Puerto Rico, Mayaguez
Miller R.J. Oklahoma State U
Mueller H.C. U of NC, Chapel Hill
Nolan, Jr. V. Indiana U

Packard J.M. Texas A&M
Rabenold K.N. Purdue U
Raveling D.G. UC, Davis
Silvy N.J. Texas A&M
Slack R.D. Texas A&M
Suthers R.A. Indiana U
Thompson R.L. CUNY/Hunter College
Walters J.R. NC State U
Waring G.H. Southern Illinois U
Weigl P.D. Wake Forest U
Wiley R.H. U of NC, Chapel Hill
Zimmerman J.L. Kansas State U

ANSERIFORMES

Anthoney T.R. Southern Illinois U
Beason R.C. SUNY, Geneseo
Crawford R.D. U of North Dakota
Derrickson S.R. Smithsonian Institution
Gauthreaux S.A. Clemson U
Gottlieb G. U of NC, Greensboro
Grubb T.C. Ohio State U
Hainsworth F.R. Syracuse U
McKinney F. U of Minnesota
Miller D.B. U of Connecticut
Morton E.S. Smithsonian Institution
Packard J.M. Texas A&M
Phillips R.E. U of Minnesota
Raveling D.G. UC, Davis
Robel R.J. Kansas State U
Shapiro L.J. U of Manitoba
Tacha T.C. Southern Illinois U
Weise C.M. U of Wisconsin, Milwaukee

APODIFORMES

Franks E.C. Western Illinois U
Gass C.L. U of British Columbia
Hainsworth F.R. Syracuse U
Hutto R.L. U of Montana
Inouye D.W. U of Maryland
Montgomerie R.D. Queen's U
Schemske D.W. U of Chicago
Udvardy M.D.F. California State U
Wolf L.L. Syracuse U

CAPRIMULGIFORMES

Price E.O. UC, Davis
Wallman J. City U of New York/City College

CHARADRIIFORMES

Amlaner C.J. Walla Walla College
Ball N.J. Walla Walla College
Beer C.G. Rutgers-State U of N J, Newark
Burger J. Rutgers U
Collier G. San Diego State U
Fivizzani A.J. U of North Dakota
Galusha J.G. Walla Walla College
Gochfeld M. UMDNJ- Rutgers Medical School
Hamas M.J. Central Michigan U
Hatch J.J. U of Massachusetts, Harbor Campus
Holmes R.T. Dartmouth College
Hunt G.L. UC, Irvine
Jenni D.A. U of Montana
Miller D.E. Washington State U
Montevecchi W.A. Memorial U
Moore F.R. U of S. Mississippi
Murphy E.C. U of Alaska
Oring L.W. U of North Dakota
Phillips R.E. U of Minnesota
Ristau C.A. Rockefeller U
Schnell G.D. U of Oklahoma
Slack R.D. Texas A&M
Walters J.R. NC State U

CICONIIFORMES

Burger J. Rutgers U
Collopy M.W. U of Florida
Creighton P.D. Towson State U
DeLannoy C.A. U of Puerto Rico, Mayaguez
Itzkowitz M. Lehigh U
Leighton-Shapiro M. U of Puerto Rico, Mayaguez
Mock D.W. U of Oklahoma
Slack R.D. Texas A&M

COLUMBIFORMES

Adkins-Regan E. Cornell U
Baum W. U of New Hampshire
Blough D. Brown U
Blough P.M. Brown U
Buntin J.D. U of Wisconsin, Milwaukee
Burley N. U of Illinois
Carter D.E. Georgetown U
Cheng M. Rutgers-State U of N J, Newark
Donahoe J.W. U of Massachusetts
Erickson C.J. Duke U
Fantino E. UC, San Diego
Giraldeau L.-A. U of Toronto
Heppner F. U of Rhode Island
Hinson J.M. Washington State U
Honig W.K. Dalhousie U
Johnston R.F. U of Kansas
Lefebvre L. McGill U
Marr M.J. Georgia Inst. of Tech.
McSweeney F.K. Washington State U
Moore B.R. Dalhousie U
Nevin J.A. U of New Hampshire
Richards R.W. Colorado State U
Shull R.L. U of NC, Greensboro
Silvy N.J. Texas A&M
Spetch M. Dalhousie U
Staddon J Duke U
Tarpy R.M. Bucknell U
Thompson R.L. CUNY/Hunter College
Timberlake W.D. Indiana U
Walcott C. Cornell U
Wallman J. City U of New York/City College
Wasserman E.A. U of Iowa
Zeigler H.P. CUNY/Hunter College

CORACIIFORMES

Emlen S.T. Cornell U
Hamas M.J. Central Michigan U

CUCULIFORMES

Leighton-Shapiro M. U of Puerto Rico, Mayaguez
Vehrencamp S.L. UC, San Diego

FALCONIFORMES

Anderson S.H. U of Wyoming
Collopy M.W. U of Florida
DeLannoy C.A. U of Puerto Rico, Mayaguez
Gauthreaux S.A. Clemson U
Grubb T.C. Ohio State U
Ritchison G. Eastern Kentucky U
Schnell G.D. U of Oklahoma
Wallman J. City U of New York/City College
Weise C.M. U of Wisconsin, Milwaukee

GALLIFORMES

Adams A.W. Kansas State U
Adkins-Regan E. Cornell U
Bailey E.D. U of Guelph
Beaugrand J.P. U du Quebec a Montreal
Boag D.A. U of Alberta
Boyce M.S. U of Wyoming
Bradbury J.W. UC, San Diego
Cherry J.C. Virginia Polytechnic Institute/State U
Craig J.V. Kansas State U
Craig J.V. Kansas State U
Fite K.V. U of Massachusetts
Frydendall M.J. Mankato State U
Gallup G.G. SUNY, Albany
Gluesing E.A. Mississippi State U
Griswold J.G. City U of New York/City College
Gross W.B. Virginia Polytechnic Institute/State U
Hannon S. U of Alberta
Jenni D.A. U of Montana
Lott D.F. UC, Davis
Martin G.M. Memorial U
McKenna O. City U of New York/City College
Menaker M. U of Oregon
Miller D.B. U of Connecticut
Oring L.W. U of North Dakota
Pavlik W.B. U of Georgia
Petri H.L Towson State U
Phillips R.E. U of Minnesota
Robel R.J. Kansas State U
Schein M.W. West Virginia U
Siegel P.B. Virginia Polytechnic Institute/State U
Silvy N.J. Texas A&M
Tennessen T. Nova Scotia Ag. College
Vehrencamp S.L. UC, San Diego
Waldman B. Harvard U
Wallman J. City U of New York/City College
Warnock J.E. Western Illinois U

GRUIFORMES

Crawford R.D. U of North Dakota
Derrickson S.R. Smithsonian Institution
Gauthreaux S.A. Clemson U
Slack R.D. Texas A&M
Tacha T.C. Southern Illinois U

PASSERIFORMES

Able K.P. SUNY, Albany
Adkins-Regan E. Cornell U
Anderson S.H. U of Wyoming
Baker M.C. Colorado State U
Balda R.P. Northern Arizona U
Balph D.F. Utah State U
Balph M.H. Utah State U
Barclay R.M.R. U of Calgary
Baylis J.R. U of Wisconsin, Madison
Beason R.C. SUNY, Geneseo
Beecher M.D. U of Washington
Bekoff M. U of Colorado
Best L.B. Iowa State U
Blaustein A.R. Oregon State U
Bowman R.I. San Francisco State U
Bradbury J.W. UC, San Diego
Brown C.R. Yale U
Burley N. U of Illinois
Caraco T. SUNY, Albany
Clark, Jr. G.A. U of Connecticut
Collier G. San Diego State U
Crawford R.D. U of North Dakota
Creighton P.D. Towson State U
Cyr A. U of Sherbrooke
DeLannoy C.A. U of Puerto Rico, Mayaguez
Ferrell B.R. Western Kentucky U
Ficken M.S. U of Wisconsin, Milwaukee
Fitzpatrick J.W. U of Chicago
Fivizzani A.J. U of North Dakota

Franks E.C. Western Illinois U
Frydendall M.J. Mankato State U
Gauthreaux S.A. Clemson U
Gowaty P.A. Clemson U
Grubb T.C. Ohio State U
Hailman J.P. U of Wisconsin, Madison
Hamas M.J. Central Michigan U
Hannon S. U of Alberta
Harding C.F. CUNY/Hunter College
Heppner F. U of Rhode Island
Hothersall D. Ohio State U
Howard R.D. Purdue U
Hutto R.L. U of Montana
Johnston R.F. U of Kansas
Kamil A.C. U of Massachusetts
Ketterson E.D. Indiana U
Koenig W.D. UC, Berkeley
Kroodsma D.E. U of Massachusetts
Lehner P.N. Colorado State U
Lemon R.E. McGill U
Logan C.A. U of NC, Greensboro
Menaker M. U of Oregon
Miller D.E. Washington State U
Montgomerie R.D. Queen's U
Moore F.R. U of S. Mississippi
Morrison D.W. Rutgers-State U of N J, Newark
Morton E.S. Smithsonian Institution
Mumme R.L. Memphis State U
Nicolaus L.K. Northern Illinois U
Nolan, Jr. V. Indiana U
Orcutt S.F. U of Akron
Pulliam H.R. U of Georgia
Rabenold K.N. Purdue U
Raitt R.J. New Mexico State U
Robel R.J. Kansas State U
Robinson S.K. U of Illinois
Schnell G.D. U of Oklahoma
Schultz J.C. Pennsylvania State U
Sherman P.W. Cornell U
Shields W.M. SUNY Coll. of Environ. Sci./For.
Simpson B.S. Case Western Reserve U
Smith J.W. U of Pennsylvania
Svendsen G.E. Ohio U
Thompson N.S. Clark U
Trost C. Idaho State U
Wasserman F.E. Boston U
Weise C.M. U of Wisconsin, Milwaukee
West M.J. U of North Carolina,Chapel Hill
Zimmerman J.L. Kansas State U

## PELECANIFORMES

Hatch J.J. U of Massachusetts, Harbor Campus
Montevecchi W.A. Memorial U

## PICIFORMES

Franks E.C. Western Illinois U
Gauthreaux S.A. Clemson U
Gowaty P.A. Clemson U
Grubb T.C. Ohio State U
Koenig W.D. UC, Berkeley
Lennartz M.R. Clemson U
Mumme R.L. Memphis State U
Murphy E.C. U of Alaska
Walters J.R. NC State U

## PROCELLARIIFORMES

Storey A.E. Memorial U

## PSITTACIFORMES

Moore B.R. Dalhousie U
Stamps J. UC, Davis

## STRIGIFORMES

Moiseff A. U of Connecticut
Ritchison G. Eastern Kentucky U
Weise C.M. U of Wisconsin, Milwaukee

# MAMMALIA

Baylis J.R. U of Wisconsin, Madison

## ARTIODACTYLA

Anderson S.H. U of Wyoming
Maple T.L. Georgia Inst. of Tech.
Waring G.H. Southern Illinois U

### ANTILOCARPIDAE

Byers J.A. U of Idaho

### BOVIDAE

Albright J.L. Purdue U
Allrich R.D. Purdue U
Balph D.F. Utah State U
Beaver B. Texas A&M
Burke M.G. U of North Dakota
Byers J.A. U of Idaho
Craig J.V. Kansas State U
Crowell-Davis S.L. U of Georgia
Friend T. Texas A&M
Guthrie R.D. U of Alaska
Hart B.L. UC, Davis
Inglis J.M. Texas A&M
Jander R. U of Kansas
Jenni D.A. U of Montana
Klein D.R. U of Alaska
Klemm W.R. Texas A&M
Klopfer P. Duke U
Lott D.F. UC, Davis
Moberg G.P. UC, Davis
Murphey R.M. UC, Davis
Murphy E.C. U of Alaska
Packer C. U of Minnesota
Price E.O. UC, Davis
Ralls K. Smithsonian Institution
Schein M.W. West Virginia U
Stricklin W.R. U of Maryland
Tennessen T. Nova Scotia Ag. College
Valdez R. New Mexico State U

### CAMELIDAE

Svendsen G.E. Ohio U

### CERVIDAE

Boyce M.S. U of Wyoming
Burke M.G. U of North Dakota
Frydendall M.J. Mankato State U
Guthrie R.D. U of Alaska
Hart B.L. UC, Davis
Hirth D.H. U of Vermont
Inglis J.M. Texas A&M
Jenni D.A. U of Montana
Klein D.R. U of Alaska
Marchinton R.L. U of Georgia
Metzger L.H. U of Montana
Muller-Schwarze D. SUNY Coll. of Environ. Sci./For.
Pelton M.R. U of Tennessee
Seabloom R.W. U of North Dakota
Seidensticker J. Smithsonian Institution
Silvy N.J. Texas A&M

### SUIDAE

Albright J.L. Purdue U
Craig J.V. Kansas State U
Friend T. Texas A&M
Griswold J.G. City U of New York/City College
Houpt K.A. Cornell U
McGlone J.J. Texas Tech. U
Pelton M.R. U of Tennessee
Stricklin W.R. U of Maryland
Tennessen T. Nova Scotia Ag. College

### TAYASSUIDAE

Byers J.A. U of Idaho
Robinson J.G. U of Florida

## CARNIVORA

Anderson S.H. U of Wyoming
Warren R.P. U of Wisconsin, Milwaukee

### CANIDAE

Beaver B. Texas A&M
Bekoff M. U of Colorado
Burke M.G. U of North Dakota
Crowell-Davis S.L. U of Georgia
Fagre D.B. Texas A&M
Fentress J.C. Dalhousie U
Gluesing E.A. Mississippi State U
Griswold J.G. City U of New York/City College
Hart B.L. UC, Davis
Hirth D.H. U of Vermont
Hothersall D. Ohio State U
Houpt K.A. Cornell U
Kleiman D.G. Smithsonian Institution
Lehner P.N. Colorado State U
New J.C. U of Tennessee
Nicolaus L.K. Northern Illinois U
Packard J.M. Texas A&M
Rowe M.H. Ohio U
Smith A.T. Arizona State U
Sunquist M.E. U of Florida
Thompson N.S. Clark U
Trapp G.R. California State U

### FELIDAE

Adamec R. Memorial U
Avery D.D. Colorado State U
Beaver B. Texas A&M
Carlson N.R. U of Massachusetts
Crowell-Davis S.L. U of Georgia
Fagre D.B. Texas A&M
Gluesing E.A. Mississippi State U
Gordon-Lickey M. U of Oregon
Grubb T.C. Ohio State U
Hart B.L. UC, Davis
Houpt K.A. Cornell U
Lehner P.N. Colorado State U
Littman R.A. U of Oregon
McCain G. U of Texas, Arlington
New J.C. U of Tennessee
Packer C. U of Minnesota
Pusey A.E. U of Minnesota
Randall W.L. U of Iowa
Rosenblatt J.S. Rutgers-State U of N J, Newark
Rowe M.H. Ohio U
Salinger W. U of NC, Greensboro
Seidensticker J. Smithsonian Institution
Smith C.J. SUNY, Buffalo
Sunquist M.E. U of Florida

Tieman S.B. SUNY, Albany

### MUSTELIDAE

Buskirk S.W. U of Wyoming
Packard J.M. Texas A&M
Powell R.A. NC State U
Ralls K. Smithsonian Institution
Svendsen G.E. Ohio U
Trapp G.R. California State U
Trost C. Idaho State U

### PROCYONIDAE

Herron P. U of Massachusetts
Kaufmann J.H. U of Florida
Nicolaus L.K. Northern Illinois U
Pelton M.R. U of Tennessee
Trapp G.R. California State U

### URSIDAE

Burghardt G.M. U of Tennessee
Gilbert B.K. Utah State U
Kleiman D.G. Smithsonian Institution
Metzger L.H. U of Montana
Pelton M.R. U of Tennessee
Powell R.A. NC State U
Seidensticker J. Smithsonian Institution
Trapp G.R. California State U

### VIVERRIDAE

Waser P. Purdue U

## CETACEA

Awbrey R.T. San Diego State U
Defran R.H. San Diego State U
Lien J. Memorial U
Waring G.H. Southern Illinois U

## CHIROPTERA

Barclay R.M.R. U of Calgary
Bradbury J.W. UC, San Diego
Fleming T.H. U of Miami
Jen P.H-S. U of Missouri - Columbia
Kunz T.H. Boston U
McCracken G.F. U of Tennessee
Morrison D.W. Rutgers-State U of N J, Newark
Simmons J.A. U of Oregon
Suthers R.A. Indiana U
Vehrencamp S.L. UC, San Diego
Warnock J.E. Western Illinois U

## LAGOMORPHA

Fa J. U Nacional Autonoma de Mexico
Gormezano I. U of Iowa
Harvey J.A. U of Iowa
Moore J.W. U of Massachusetts
Pelton M.R. U of Tennessee
Seabloom R.W. U of North Dakota
Smith A.T. Arizona State U
Stalling D.T. Northwestern State U

## MARSUPIALIA

Eisenberg J.F. U of Florida
Hunsaker D. San Diego State U
Kaufmann J.H. U of Florida
Mares M.A. U of Oklahoma
Seidensticker J. Smithsonian Institution
Sunquist M.E. U of Florida

## PERISSODACTYLA

### EQUIDAE

Beaver B. Texas A&M
Crowell-Davis S.L. U of Georgia
Friend T. Texas A&M
Houpt K.A. Cornell U
Lehner P.N. Colorado State U
Ralston S. Colorado State U
Waring G.H. Southern Illinois U

## PINNIPEDIA

Boness D.K. Smithsonian Institution
Packard J.M. Texas A&M
Renouf D. Memorial U

## PRIMATES

Wallman J. City U of New York/City College
Warren R.P. U of Wisconsin, Milwaukee
Wiley R.H. U of NC, Chapel Hill

### CALLITHRICIDAE

Beck B.B. Smithsonian Institution
French J.A. U of Nebraska, Omaha
Menzel Jr. E.R. SUNY, Stony Brook

### CEBIDAE

Anthoney T.R. Southern Illinois U
Candland D.K. Bucknell U
Coe C. U of Wisconsin, Madison
Fedigan L.M. U of Alberta
Fragaszy D.M. Washington State U
Isaac W. U of Georgia
Mason W.A. UC, Davis
Milton K. UC, Berkeley
Ristau C.A. Rockefeller U
Robinson J.G. U of Florida
Smith C.C. Kansas State U
Thomas R.K. U of Georgia

### CERCOPITHECIDAE

Altmann J. U of Chicago
Altmann S.A. U of Chicago
Berman C.M. SUNY, Buffalo
Bernstein I.S. U of Georgia
Bowman R.E. U of Wisconsin, Madison
Bunnell B.N. U of Georgia
Candland D.K. Bucknell U
Coe C. U of Wisconsin, Madison
Estep D.Q. U of Georgia
Fa J. U Nacional Autonoma de Mexico
Fedigan L.M. U of Alberta
Fragaszy D.M. Washington State U
Gallup G.G. SUNY, Albany
Goldfoot D. U of Wisconsin, Madison
Gourevitch G. CUNY/Hunter College
Gowaty P.A. Clemson U
Goy R.W. U of Wisconsin, Madison
Green S. U of Miami
Hausfater G. U of Missouri - Columbia
Hrdy S.B. UC, Davis
Iturrian W.B. U of Georgia
Kurland J.A. Pennsylvania State U
Lancaster J.B. U of Oklahoma
Leighton-Shapiro M. U of Puerto Rico, Mayaguez
Lippold L.K. San Diego State U
Littman R.A. U of Oregon
Lockard J.S. U of Washington
Maple T.L. Georgia Inst. of Tech.
Marr M.J. Georgia Inst. of Tech.
Marrocco R.T. U of Oregon
Mason W.A. UC, Davis
McCain G. U of Texas, Arlington
Meyer J.S. U of Massachusetts
Mineka S. U of Wisconsin, Madison
Moberg G.P. UC, Davis
Novak M. U of Massachusetts
Packer C. U of Minnesota
Petri H.L Towson State U
Poirier F.E. Ohio State U
Rhine R.J. UC, Riverside
Sackett G.P. U of Washington
Schrier A.M. Brown U
Segal E.F. San Diego State U
Teleki G. George Washington U
Thompson R.L. CUNY/Hunter College
Wallen K. Emory U
Walters J.R. NC State U
White L.E. Dalhousie U

### HOMINIDAE

Anthoney T.R. Southern Illinois U
Baenninger R. Temple U
Barash D.P. U of Washington
Bauer H.R. Ohio State U
Burgess R.L. Pennsylvania State U
Cairnes R.B. U of North Carolina
Ely D. U of Akron
Fantino E. UC, San Diego
Gochfeld M. UMDNJ- Rutgers Medical School
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| Howard, R.D.  Purdue U | IN |
| Hoy, R.  Cornell U | NY |
| Hrdy, S.B.  UC, Davis | CA |
| Hull, E.M.  SUNY, Buffalo | NY |
| Hunsaker, D.  San Diego State U | CA |
| Hunt, G.L.  UC, Irvine | CA |
| Hutto, R.L.  U of Montana | MT |
| Inglis, J.M.  Texas A&M | TX |
| Inouye, D.W.  U of Maryland | MD |
| Isaac, W.  U of Georgia | GA |
| Iturrian, W.B.  U of Georgia | GA |
| Itzkowitz, M.  Lehigh U | PA |
| Jacklett, J.  SUNY, Albany | NY |
| Jackson, D.  U of Akron | OH |
| Jaeger, R.G.  U of Southwestern Louisiana | LA |
| Jahn, L.A.  Western Illinois U | IL |
| Jander, R.  U of Kansas | KS |
| Jeanne, R.L.  U of Wisconsin, Madison | WI |
| Jen, P. H.-S.  U of Missouri-Columbia | MO |
| Jenni, D.A.  U of  Montana | MT |
| Jensen, D.D.  U of Nebraska, Lincoln | NE |
| Jenssen, T.A.  Virginia Polytechnic Institute/State U | VA |
| Johnson, A.K.  U of Iowa | IA |
| Johnson, J.I.  Michigan State U | MI |
| Johnston, R.E.  Cornell U | NY |
| Johnston, R.F.  U of Kansas | KS |
| Johnston, T.D.  U of NC, Greensboro | NC |
| Kamil, A.C.  U of Massachusetts | MA |
| Kannowski, P.B.  U of North Dakota | ND |
| Kaufman, D.W.  Kansas State U | KS |
| Kaufmann, J.H.  U of Florida | FL |
| Keele, S.W. U of Oregon | OR |
| Keenleyside, M.H.A.  U of Western Ontario | ON |
| Ketterson, E.D.  Indiana U | IN |
| Kimble, D.P.  U of Oregon | OR |
| Kimmel, C.B.  U of Oregon | OR |
| King, D.G.  Southern Illinois U | IL |
| Kingsolver, J.  Brown U | RI |
| Kleiman, D.G.  Smithsonian Institution | DC |
| Klein, D.R.  U of Alaska | AK |
| Klemm, W.R.  Texas A&M | TX |
| Klopfer, P.  Duke U | NC |
| Klowden, M.J.  U of Idaho | ID |
| Knapton, R.  Brock U | ON |
| Kodric-Brown, A.  U of Arizona | AZ |
| Koenig, W.D.  UC, Berkeley | CA |
| Komisaruk, B.R.  Rutgers-State U of N J, Newark | NJ |
| Kopp, J.  U of Texas, Arlington | TX |
| Kramer, D.L.  McGill U | QE |
| Krekorian, N.  San Diego State U | CA |
| Kristal, M.B.  SUNY, Buffalo | NY |
| Kroodsma, D.E.  U of Massachusetts | MA |
| Kruggel, T.G  Towson State U | MD |
| Kunz, T.H.  Boston U | MA |
| Kurczewski, F.E.  SUNY Coll. of Environ. Sci./For. | NY |
| Kurland, J.A.  Pennsylvania State U | PA |
| Lancaster, J.B.  U of Oklahoma | OK |
| Lang, J.W.  U of North Dakota | ND |
| Lanier, G.N.  SUNY Coll. of Environ. Sci./For. | NY |
| Larkin, R.P.  U of Illinois | IL |
| Larson, J.S.  U of Massachusetts | MA |
| Lauder, G.V.  U of Chicago | IL |
| Lederhouse, R.C.  Rutgers-State U of N J, Newark | NJ |
| Lee, J.C.  U of Miami | FL |
| Lefebvre, L.  McGill U | QE |
| Leger, D.W.  U of Nebraska, Lincoln | NE |
| Lehner, P.N.  Colorado State U | CO |
| Leighton-Shapiro, M.  U of Puerto Rico, Mayaguez | PR |
| Lein, M.R.  U of Calgary | AL |
| Lemon, R.E.  McGill U | QE |
| Lenington, S.  Rutgers-State U of N J, Newark | NJ |
| Lennartz, M.R.  Clemson U | SC |
| Leonard, J.L.  U of Oklahoma | OK |
| Lerner, J.V.  Pennslvania State U | PA |
| Lerner, R.M.  Pennsylvania State U | PA |
| Lewis, A.R.  U of Puerto Rico, Mayaguez | PR |
| Lien, J.  Memorial U | NF |
| Liley, N.R.  U of British Columbia | BC |
| Lillywhite, H.B.  U of Florida | FL |
| Lippold, L.K.  San Diego State U | CA |
| Lishak, R.S.  Auburn U | AL |
| Littman, R.A.  U of Oregon | OR |
| Lloyd, J.E.  U of Florida | FL |
| LoLordo, V.M.  Dalhousie U | NS |
| Lockard, J.S.  U of Washington | WA |
| Logan, C.A.  U of NC, Greensboro | NC |
| Losey, G.  U of Hawaii | HI |
| Lott, D.F.  UC, Davis | CA |
| Lounibos, L.P.  U of Florida | FL |
| Luykx, P.  U of Miami | FL |
| Lynch, C.B.  Wesleyan U | CT |
| Lynch, G.R.  Wesleyan U | CT |
| Macior, W.  U of Akron | OH |
| Madison, D.M.  SUNY, Binghamton | NY |
| Mann, M.A.  U of Texas, Arlington | TX |
| Manning, S.K.  CUNY/Hunter College | NY |
| Maple, T.L.  Georgia Inst. of Tech. | GA |
| Maples, E.G.  Northeast Louisiana U | LA |
| Marcellini, D.L.  Smithsonian Institution | DC |
| Marchinton, R.L.  U of Georgia | GA |
| Mares, M.A.  U of Oklahoma | OK |
| Marr, M.J.  Georgia Inst. of Tech. | GA |
| Marrocco, R.T.  U of Oregon | OR |
| Martin, G.M.  Memorial U | NF |
| Maruniak, J.A.  U of Missouri-Columbia | MO |
| Mason, L.G  SUNY, Albany | NY |
| Mason, W.A.  UC, Davis | CA |
| Masterson, F.A.  U of Delaware | DE |
| Matthews, R.W.  U of Georgia | GA |
| Mayer, A.D.  Rutgers-State U of N J, Newark | NJ |
| McCain, G.  U of Texas, Arlington | TX |
| McClearn, G.E.  Pennsylvania State U | PA |
| McClenaghan, L.R.  San Diego State U | CA |
| McClintock, M.K.  U of Chicago | IL |
| McCracken, G.F.  U of Tennessee | TN |
| McCutcheon, N.B.  SUNY, Albany | NY |
| McGlone, J.J.  Texas Tech. U | TX |
| McKenna, O.  City U of New York/City College | NY |
| McKinney, F.  U of Minnesota | MN |
| McMahan, E.A.  U of NC, Chapel Hill | NC |
| McSweeney, F.K.  Washington State U | WA |
| Megela-Simmons, A.  Brown U | RI |
| Mellgren, R.L.  U of Oklahoma | OK |
| Menaker, M.  U of Oregon | OR |
| Menzel, E.W.  SUNY, Stony Brook | NY |
| Metzger, L.H.  U of Montana | MT |
| Meyer, J.S.  U of Massachusetts | MA |
| Michener, C.D.  U of Kansas | KS |
| Miller, D.B.  U of Connecticut | CT |
| Miller, D.E.  Washington State U | WA |
| Miller, R.J.  Oklahoma State U | OK |
| Milton, K.  UC, Berkeley | CA |
| Mineka, S.  U of Wisconsin, Madison | WI |
| Moberg, G.P.  UC, Davis | CA |
| Mock, D.W.  U of Oklahoma | OK |
| Moiseff, A.  U of Connecticut | CT |
| Moller, P.  CUNY/Hunter College | NY |
| Montevecchi, W.A.  Memorial U | NF |
| Montgomerie, R.D.  Queen's U | ON |
| Montgomery, W.L.  Northern Arizona U | AZ |
| Moody, S.M.  Ohio U | OH |
| Moore, B.R.  Dalhousie U | NS |
| Moore, F.R.  U of S. Mississippi | MS |
| Moore, J.  Colorado State U | CO |
| Moore, J.H.  U of Massachusetts | MA |
| Morris, R.D.  Brock U | ON |
| Morrison, D.W.  Rutgers-State U of N J, Newark | NJ |
| Morse, D.H.  Brown U | RI |
| Morse, R.A.  Cornell U | NY |
| Morton, E.S.  Smithsonian Institution | DC |
| Mote, M.  Temple U | PA |
| Motta, P.J.  U of Montana | MT |
| Mueller, H.C.  U of NC, Chapel Hill | NC |
| Muller-Schwarze, D.  SUNY Coll. of Environ. Sci./For. | NY |
| Mumme, R.L.  Memphis State U | TN |
| Murie, J.O.  U of Alberta | AL |
| Murphey, R.M.  UC, Davis | CA |
| Murphy, E.C.  U of Alaska | AK |
| Mushinsky, H.  U of South Florida | FL |

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| Myrberg, Jr., A. | U of Miami | FL |
| Myrberg, Jr., A.A. | U of Miami | FL |

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| Nash, L.T. | Arizona State U | AZ |
| Neill, W.H. | Texas A&M | TX |
| Nelson, C.E. | Indiana U | IN |
| Nevin, J.A. | U of New Hampshire | NH |
| New, J.C. | U of Tennessee | TN |
| Nicolaus, L.K. | Northern Illinois U | IL |
| Noakes, D.L.G. | U of Guelph | ON |
| Nolan, Jr., V. | Indiana U | IN |
| Norton, R.A. | SUNY Coll. of Environ. Sci./For. | NY |
| Novak, M. | U of Massachusetts | MA |
| Novak, S. | CUNY/Hunter College | NY |
| Nunez, A. | Michigan State U | MI |
| Nursall, J.R. | U of Alberta | AL |
| Nyby, J. | Lehigh U | PA |

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|---|---|---|
| O'Day, P.M. | U of Oregon | OR |
| Orcutt, S.F. | U of Akron | OH |
| Oring, L.W. | U of North Dakota | ND |
| Otis, G.W. | U of Guelph | ON |
| Owen, R.E. | U of Calgary | AL |
| Owens, D.W. | Texas A&M | TX |
| Owings, D.H. | UC, Davis | CA |

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|---|---|---|
| Packard, J.M. | Texas A&M | TX |
| Packer, C. | U of Minnesota | MN |
| Pavlik, W.B. | U of Georgia | GA |
| Peacock, L.J. | U of Georgia | GA |
| Pelton, M.R. | U of Tennessee | TN |
| Petersen, A.C. | Pennslvania State U | PA |
| Peterson, E.H. | Ohio U | OH |
| Petri, H.L | Towson State U | MD |
| Petry, H.M. | SUNY, Stony Brook | NY |
| Phillips, R.E. | U of Minnesota | MN |
| Pickard, G.E. | U of Oregon | OR |
| Poirier, F.E. | Ohio State U | OH |
| Popper, A.N. | Georgetown U | DC |
| Porter, R.H. | Vanderbilt U | TN |
| Posner, M.I. | U of Oregon | OR |
| Powell, R.A. | NC State U | NC |
| Prezant, R.S. | U of S. Mississippi | MS |
| Price, E.O. | UC, Davis | CA |
| Pulliam, H.R. | U of Georgia | GA |
| Pusey, A.E. | U of Minnesota | MN |

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| Quadagno, D.M. | U of Kansas | KS |

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| Rabenold, K.N. | Purdue U | IN |
| Raitt, R.J. | New Mexico State U | NM |
| Ralls, K. | Smithsonian Institution | DC |
| Ralston, S. | Colorado State U | CO |
| Randall, J.A. | Central Missouri State U | MO |
| Randall, W.L. | U of Iowa | IA |
| Randich, A. | U of Iowa | IA |
| Raveling, D.G. | UC, Davis | CA |
| Rebach, S. | U of Maryland, E. Shore | MD |
| Reboulleau, C.P. | Rutgers-State U of N J, Newark | NJ |
| Reese, E.S. | U of Hawaii | HI |
| Reichman, O.J. | Kansas State U | KS |
| Renouf, D. | Memorial U | NF |
| Rettenmeyer, C.W. | U of Connecticut | CT |
| Rhine, R.J. | UC, Riverside | CA |
| Richards, R.W. | Colorado State U | CO |
| Richmond, G. | Michigan State U | MI |
| Riechert, S.E. | U of Tennessee | TN |
| Riley, E.P. | SUNY, Albany | NY |
| Ringler, N.H. | SUNY Coll. of Environ. Sci./For. | NY |
| Ristau, C.A. | Rockefeller U | NY |
| Ritchison, G. | Eastern Kentucky U | KY |
| Ritzmann, R.E. | Case Western Reserve U | OH |
| Robel, R.J. | Kansas State U | KS |
| Roberts, S.K. | Temple U | PA |
| Robinson, J.G. | U of Florida | FL |
| Robinson, M.H. | Smithsonium Institution | DC |
| Robinson, S.K. | U of Illinois | IL |
| Rodger, R.S. | Dalhousie U | NS |
| Roitberg, B.D. | Simon Fraser U | BC |
| Rosellini, R.A. | SUNY, Albany | NY |
| Rosenblatt, J.S. | Rutgers-State U of N J, Newark | NJ |
| Rovner, J.S. | Ohio U | OH |
| Rowe, M.H. | Ohio U | OH |
| Rowland, W. | Indiana U | IN |
| Rusak, B. | Dalhousie U | NS |
| Rushforth, N.B. | Case Western Reserve U | OH |
| Rutowski, R.L. | Arizona State U | AZ |

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|---|---|---|
| Sachs, B.D. | U of Connecticut | CT |
| Sackett, G.P. | U of Washington | WA |
| Sadovy, Y. | U of Puerto Rico, Mayaguez | PR |
| Saladin, K.S. | Georgia College | GA |
| Salinger, W. | U of NC, Greensboro | NC |
| Salmon, M. | U of Illinois | IL |
| Sargent, R.C. | Simon Fraser U | BC |
| Sargent, T.D. | U of Massachusetts | MA |
| Savage, J.M. | U of Miami | FL |
| Scarbrough, A.G. | Towson State U | MD |
| Schein, M.W. | West Virginia U | WV |
| Schemske, D.W. | U of Chicago | IL |
| Schnell, G.D. | U of Oklahoma | OK |
| Schrier, A.M. | Brown U | RI |
| Schultz, J.C. | Pennsylvania State U | PA |
| Schwagmeyer, P.L. | U of Oklahoma | OK |
| Scully, E.P | Towson State U | MD |
| Seabloom, R.W. | U of North Dakota | ND |
| Segal, E.F. | San Diego State U | CA |
| Seidensticker, J. | Smithsonian Institution | DC |
| Shapiro, D.Y. | U of Puerto Rico, Mayaguez | PR |
| Shapiro, L.J. | U of Manitoba | MA |
| Shaw, K.C. | Iowa State U | IA |
| Sheppe, W. | U of Akron | OH |
| Sherman, P.W. | Cornell U | NY |
| Sherry, D. | U of Toronto | ON |
| Shettleworth, S.J. | U of Toronto | ON |
| Shields, W.M. | SUNY Coll. of Environ. Sci./For. | NY |
| Shull, R.L. | U of NC, Greensboro | NC |
| Siegel, H.I. | Rutgers-State U of NJ, Newark | NJ |
| Siegel, P.B. | Virginia Polytechnic Institute/State U | VA |
| Silvy, N.J. | Texas A&M | TX |
| Simmons, J.A. | U of Oregon | OR |
| Simon, C.A. | City U of New York/City College | NY |
| Simpson, B.S. | Case Western Reserve U | OH |
| Sinnamon, H.M. | Wesleyan U | CT |
| Slack, R.D. | Texas A&M | TX |
| Slansky, Jr., F. | U of Florida | FL |
| Slobodchikoff, C.N. | Northern Arizona U | AZ |
| Smith, A.T. | Arizona State U | AZ |
| Smith, C.C. | Kansas State U | KS |
| Smith, C.J. | SUNY, Buffalo | NY |
| Smith, J.M. | U of Pennsylvania | PA |
| Smith, R.J.F. | U of Saskatchewan | SK |
| Snowdon, C.T. | U of Wisconsin, Madison | WI |
| Sorrentino, R.P. | Brown U | RI |
| Southwick, E.E. | SUNY-Brockport | NY |
| Speith, H.T. | UC, Davis | CA |
| Spencer, A.N. | U of Alberta | AL |
| Spetch, M. | Dalhousie U | NS |
| Springfield, S.A. | CUNY/City College | NY |
| Stacey, N. | U of Alberta | AL |
| Staddon, J | Duke U | NC |
| Stalling, D.T. | Northwestern State U | LA |
| Stamp, N.E. | SUNY, Binghamton | NY |
| Stamps, J. | UC, Davis | CA |
| Stark, W.S. | U of Missouri-Columbia | MO |
| Starmer, W.T. | Syracuse U | NY |
| States, J.S. | Northern Arizona U | AZ |
| Stein, D.G. | Clark U | MA |
| Stein, R.A. | Ohio State U | OH |
| Stevens, D.A. | Clark U | MA |
| Stevens, K.A. | U of Oregon | OR |
| Stewart, M.M. | SUNY, Albany | NY |
| Storey, A.E. | Memorial U | NF |
| Stoutamire, W. | U of Akron | OH |
| Strassmann, J. | Rice U | TX |
| Stratton, G. | Bradley U | IL |
| Stricklin, W.R. | U of Maryland | MD |
| Stuart, A.M. | U of Massachusetts | MA |
| Sunquist, M.E. | U of Florida | FL |
| Suthers, R.A. | Indiana U | IN |
| Svare, B.B. | SUNY, Albany | NY |
| Svendsen, G.E. | Ohio U | OH |

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|---|---|---|
| Tacha, T.C. | Southern Illinois U | IL |
| Tamarin, R.H. | Boston U | MA |
| Tarpy, R.M. | Bucknell U | PA |
| Taylor, R.J. | Clemson U | SC |
| Teleki, G. | George Washington U | DC |
| Tennessen, T. | Nova Scotia Ag. College | NS |
| Terman, C.R. | Coll. of William and Mary | VA |
| Thomas, R.K. | U of Georgia | GA |
| Thompson, J.N. | Washington State U | WA |
| Thompson, N.S. | Clark U | MA |
| Thompson, R.L. | CUNY/Hunter College | NY |
| Tieman, S.B. | SUNY, Albany | NY |
| Timberlake, W.D. | Indiana U | IN |
| Tokarz, R.R. | U of Miami | FL |
| Tompkins, L. | Temple U | PA |
| Topoff, H. | CUNY/Hunter College | NY |
| Traniello, J. | Boston U | MA |
| Trapp, G.R. | California State U | CA |
| Travis, C.B. | U of Tennessee | TN |
| Treit, D. | Dalhousie U | NS |
| Trost, C. | Idaho State U | ID |
| Turkewitz, G. | CUNY/Hunter College | NY |
| Turner, M. | U of Akron | OH |
| Twente, J.W. | U of Missouri-Columbia | MO |

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|---|---|---|
| Udvardy, M.D.F. | California State U | CA |
| Uetz, G.W. | U of Cincinnati | OH |

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|---|---|---|
| Valdez, R. | New Mexico State U | NM |
| Vandenbergh, J.G. | NC State U | NC |
| Vehrencamp, S.L. | UC, San Diego | CA |
| Vestal, B.M. | U of Oklahoma | OK |
| Vinson, S.B. | Texas A&M | TX |
| Vom Saal, F.S. | U of Missouri-Columbia | MO |

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|---|---|---|
| Waage, J.K. | Brown U | RI |
| Waddington, K.D. | U of Miami | FL |
| Wade, G.N. | U of Massachusetts | MA |
| Walcott, C. | Cornell U | NY |
| Waldman, B. | Harvard U | MA |
| Walker, J.M. | Brown U | RI |
| Wallen, K. | Emory U | GA |
| Wallman, J. | CUNY/City College | NY |
| Walters, J.R. | NC State U | NC |
| Waring, G.H. | Southern Illinois U | IL |
| Warnock, J.E. | Western Illinois U | IL |
| Warren, R.P. | U of Wisconsin, Milwaukee | WI |
| Waser, P. | Purdue U | IN |
| Wasserman, E.A. | U of Iowa | IA |
| Wasserman, F.E. | Boston U | MA |
| Watson, W.H. | U of New Hampshire | NH |
| Weaver, N. | U of Massachusetts, Harbor Campus | MA |
| Weigl, P.D. | Wake Forest U | NC |
| Weise, C.M. | U of Wisconsin, Milwaukee | WI |
| Weldon, P.J. | Texas A&M | TX |
| Wells, K.D. | U of Connecticut | CT |
| West, D.A. | Virginia Polytechnic Institute/State U | VA |
| West, M.J. | U of North Carolina,Chapel Hill | NC |
| Westerfield, M. | U of Oregon | OR |
| Westin, J. | Case Western Reserve U | OH |
| White, L.E. | Dalhousie U | NS |

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| Whitney, G. Florida State U | FL |
| Wilcox, R.S. SUNY, Binghamton | NY |
| Wiley, R.H. U of NC, Chapel Hill | NC |
| Williams, K.L. Northwestern State U | LA |
| Wilson, E.O. Harvard U | MA |
| Wine, J.J. Stanford U | CA |
| Winston, M. Simon Fraser U | BC |
| Wolf, L.L. Syracuse U | NY |
| Wood, T.K. U of Delaware | DE |
| Woollacott, M.H. U of Oregon | OR |
| Wright, D. U of Missouri-Columbia | MO |
| Wrona, F.J. U of Calgary | AL |
| Wyers, E.J. SUNY, Stony Brook | NY |

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|---|---|
| Ydenberg, R.C. Simon Fraser U | BC |

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|---|---|
| Zeigler, H.P. CUNY/Hunter College | NY |
| Zimmerman, J.L. Kansas State U | KS |
| Zucker, N. New Mexico State U | NM |

## ANIMAL GROUP LISTING

This listing follows the phylum classification used in BIOLOGICAL ABSTRACTS. Uncommon or obscure groups are excluded. In the case of the larger taxa, Class, Subclass, Order, and Family names are listed in alphabetical order. Please classify your organism using this listing for item 12 on the questionnaire.

BACTERIA

PROTOZOA

CNIDARIA

PLATYHELMINTHES
- CESTODA
- TREMATODA
- TURBELLARIA

MOLLUSCA
- CEPHALOPODA
- GASTROPODA
- PELECYPODA

ANNELIDA
- HIRUDINEA
- OLIGOCHAETA
- POLYCHAETA

ARTHROPODA
- ARACHNIDA
- CRUSTACEA
- INSECTA
  - COLEOPTERA
  - DIPTERA
  - HEMIPTERA
  - HOMOPTERA
  - HYMENOPTERA
  - ISOPTERA
  - LEPIDOPTERA
  - ODONATA
  - ORTHOPTERA
  - OTHER:

ECHINODERMATA

CHORDATA
- PISCES
  - AGNATHA
  - CHONDRICHTHYES
  - OSTEICHTHYES
- AMPHIBIA
  - APODA
  - CAUDATA
  - SALIENTIA
- REPTILIA
  - CHELONIA
  - CROCODILIA
  - SAURIA
  - SERPENTES
- AVES
  - ANSERIFORMES
  - APODIFORMES
  - CAPRIMULGIFORMES
  - CHARADRIIFORMES
  - CICONIIFORMES
  - COLUMBIFORMES
  - CORACIIFORMES
  - CUCULIFORMES
  - FALCONIFORMES
  - GALLIFORMES
  - GAVIIFORMES
  - GRUIFORMES
  - PASSERIFORMES
  - PELECANIFORMES
  - PICIFORMES
  - PROCELLARIIFORMES
  - PSITTACIFORMES
  - STRIGIFORMES
  - OTHER:

MAMMALIA
- ARTIODACTYLA
  - ANTILOCARPIDAE
  - BOVIDAE
  - CAMELIDAE
  - CERVIDAE
  - SUIDAE
  - TAYASSUIDAE
- CARNIVORA
  - CANIDAE
  - FELIDAE
  - MUSTELIDAE
  - PROCYONIDAE
  - URSIDAE
  - VIVERRIDAE
  - OTHER:
- CETACEA
- CHIROPTERA
- EDENTATA
- INSECTIVORA
- LAGOMORPHA
- MARSUPIALIA
- PERISSODACTYLA
  - EQUIDAE
  - OTHER:
- PINNIPEDIA
- PRIMATES
  - CALLITHRICIDAE
  - CEBIDAE
  - CERCOPITHECIDAE
  - HOMINIDAE
  - PONGIDAE
  - OTHER:
- PROBOSCIDEA
- RODENTIA
  - CASTORIDAE
  - CAVIIDAE
  - CRICETIDAE
  - DIPODIDAE
  - HETEROMYIDAE
  - MURIDAE
  - SCIURIDAE
  - OTHER:
- SIRENIA

## SUBJECT AREA LISTING

This subject listing is based on the categories adopted by ANIMAL BEHAVIOR ABSTRACTS. Certain modifications have been incorporated and the listing is presented alphabetically. Choose up to three categories from this list for item 10 on the questionnaire.

APPLIED ETHOLOGY
- COMPANION ANIMALS
- DOMESTIC ANIMALS
- WILDLIFE
- OTHER:

BEHAVIORAL ECOLOGY
- FORAGING
- HABITAT SELECTION
- ORIENTATION/NAVIGATION/ MIGRATION/HOMING
- PREDATOR/PREY INTERACT
- TERRITORIALITY
- OTHER:

BEHAVIORAL GENETICS

BIOLOGICAL RHYTHMS

COMMUNICATION
- ACOUSTIC
- CHEMICAL
- VISUAL
- OTHER:

DEVELOPMENT/ONTOGENY

DRUG STUDIES

ENDOCRINE/HORMONAL MECH

EVOLUTION/SURVIVAL VALUE

FEEDING/INGESTION

HUMAN ETHOLOGY

LEARNING
- AVOIDANCE
- COMPLEX
- DISCRIMINATION
- HABITUATION/EXTINCTION
- MEMORY

- REINFORCEMENT (POS)
- OTHER:

LOCOMOTION

METHODOLOGY
- DATA COLLECTION/ ANALYSIS
- THEORETICAL MODELS
- OTHER:

MOTIVATION/EMOTION

NATURAL HISTORY/ DESCRIPTIVE STUDIES

NEURAL MECHANISMS
- BRAIN LESIONS
- BRAIN STIMULATION
- NEUROPHYSIOLOGICAL CORRELATES
- OTHER:

PLAY

SELF-MAINTENANCE

SENSORY MECHANISMS
- AUDITION
- CHEMICAL
- VISION

OTHER:

SLEEP

SOCIAL BEHAVIOR
- AGGRESSION
- DOMINANCE
- PARENTAL/FILIAL
- SEX & REPRODUCTION
- SOCIAL SPACING
- OTHER:

MISCELLANEOUS/OTHER:

# QUESTIONNAIRE FOR GRADUATE PROGRAMS IN ANIMAL BEHAVIOR

To be included in the next edition of this directory, please complete this form, detach and return to:

Robert W. Matthews
Department of Entomology
University of Georgia
Athens, GA 30602

NOTE: It is very important that you select your choices for item 10 (Research Subject Area) and item 12 (Scientific Classification Categories) from the subject areas and animal group listings respectively. These are printed on the opposite side. Please print or type information with careful attention to accuracy.

1. INSTITUTION NAME:

2. DEPARTMENT NAME:

3. CITY: STATE: ZIP:

4. DEPARTMENT CHAIRMAN: PHONE:

5. CURRENT ENROLLMENT IN AREA OF BEHAVIOR: DEGREES OFFERED:

6. PERSON TO CONTACT FOR ADMISSIONS/INQUIRIES:

7. YOUR NAME: HIGHEST DEGREE:

8. AWARDING INSTITUTION: YEAR AWARDED:

9. ACADEMIC RANK: OFFICE PHONE:

10. RESEARCH SUBJECT AREA (CHOOSE UP TO 3 FROM LIST ON OPPOSITE SIDE):

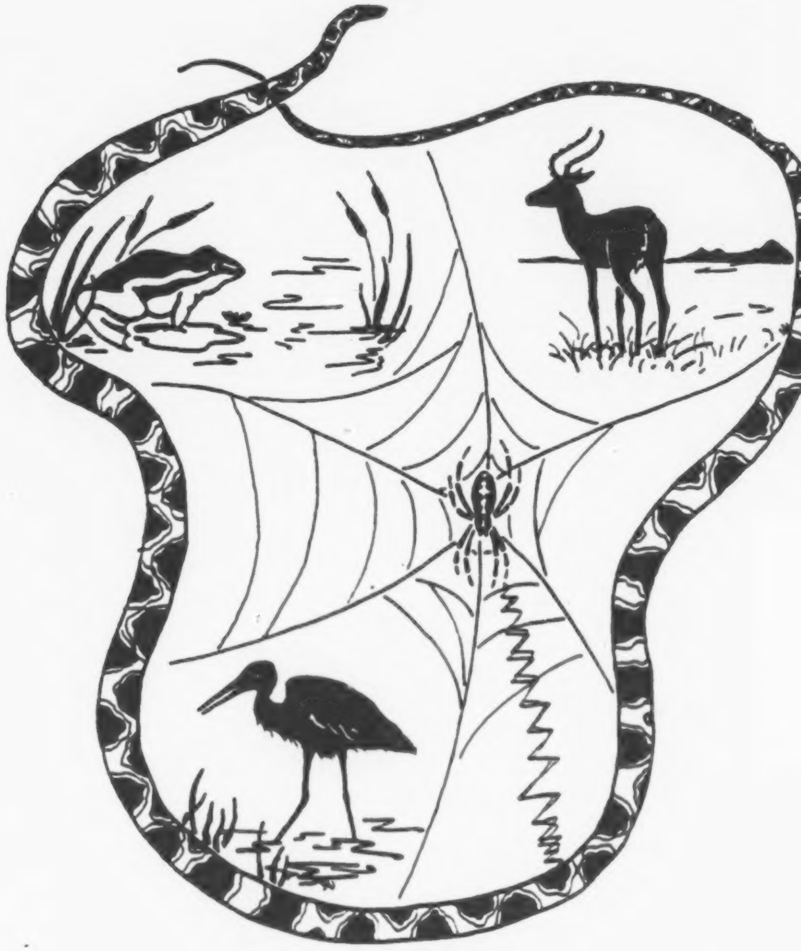
    1. 2. 3.

11. SPECIFIC RESEARCH INTERESTS (MAXIMUM OF 25 WORDS):

12. ORGANISMS STUDIED (MAXIMUM OF 5; GIVE COMMON NAME THEN SCIENTIFIC CLASSIFICATION SELECTING THE MOST APPROPRIATE HIGHER TAXA FROM THE ANIMAL GROUP LISTING ON THE REVERSE SIDE):

| COMMON NAME | CLASSIFICATION (CLASS:ORDER:FAMILY) |
|---|---|
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |

# GRADUATE PROGRAMS IN
# ANIMAL BEHAVIOR
# IN NORTH AMERICA



PREPARED BY THE EDUCATION COMMITTEE OF THE
ANIMAL BEHAVIOR SOCIETY

1988 SUPPLEMENT

## ALABAMA

**AUBURN UNIVERSITY**
Zoology and Entomology
Auburn, AL 36849-4201
CHAIRMAN: J.F. Pritchett 205-826-4580
DEGREES: M.S., Ph.D ENROLLMENT: 5
CONTACT: J.F. Pritchett

Arthur G. Appel Asst. Prof.
Univ of Calif, Riverside Ph.D 1985 205-826-4850
Behav Ecol
Biol Rhythms
Social Behavior
Time-activity budgets, mate selection, aggregation & physiological stress
Related behaviors of cockroaches
Foraging and interspecific aggression of fire ants
Cockroach (Insecta:Dictyoptera:Blattidae and Blattellidae)
Fire Ants (Insecta:Hymenoptera:Formicidae)

## CALIFORNIA

**CALIFORNIA STATE UNIV, NORTHRIDGE**
Biology
Northridge, CA 91330
CHAIRMAN: Anthony Gaudin
818-885-3356
DEGREES: MS ENROLLMENT: 6
CONTACT: Andrew Starrett, Graduate Coordinator

Jim W. Dole Prof.
Univ. of Michigan Ph.D 1963 818-885-3352
Behav. Ecol. - Orientation/Navigation/Migration/Homing
Behav. Ecol. - Territoriality
Feeding/Ingestion
Homing & orientation mechanisms in amphibians
Feeding behavior in anuraus
Frogs & toads (Amphibia:Salientia)

**CALIFORNIA STATE UNIV, SAN BERNADINO**
Psychology
San Bernadio, CA 92407
CHAIRMAN: Charles D. Hoffman 714-887-7226
DEGREES: M.A. ENROLLMENT: -0-
CONTACT: Stuart R. Ellins

Stuart R. Ellins Prof.
Univ. of Delaware Ph.D 1972 714-887-7226
Food aversion learning
Predator management
Memory
Food aversion conditioning, classical conditioning of gustatory and non-gustatory food cues, application of food aversion conditioning
Coyote (Mammalia:Carnivora:Canis latraus)
Rats (Rodentia:Rattus:Norvegieus)

**MOSS LANDING MARINE LABORATORIES**
Moss Landing, CA 95039
CHAIRMAN: John Martin 408-633-3304
DEGREES: M.A., M.S. ENROLLMENT: 20
CONTACT: Gail Johnston

Bernd Wursig Assoc. Prof.
SUNY PhD 1978 408-633-3304
Foraging
Natural history
Social spacing
Study of marine mammal social behavior and foraging strategies, with particular emphasis on odentocete and mysticete-cetaceans
Dusky dolphin (Mammal:Cetacea:Delphinidae)
Spinner dolphin (Mammal:Cetacea:Delphinidae)
Bottlenose dolphin (Mammal:Cetacea:Delphinidae)
Bowhead whale (Mammal:Cetacea:Balaenidae)
Gray whale (Mammal:Cetacea:Eschrichtiidae)

**SAN FRANCISCO STATE UNIVERSITY**
Biology
San Francisco, CA 94132
CHAIRMAN: Crellin Pauling
415-469-1548
DEGREES: M.A. ENROLLMENT: 20
CONTACT: Dorothy Sims

Jan A. Randall Assoc. Prof
Washington State Univ. Ph.D 1977 415-469-1548
Social organization
Communications
Sex and reproduction
Foot drumming as territorial and predator defense, Mechanism of sociality, Olfaction
Bannertail kangaroo rat (Dipodomys:Merriami:Heteromyidae)
Merriam's kangaroo rat (Dipodomys:Merriami)

**UNIVERSITY OF CALIFORNIA, DAVIS**
Epidemiology and Preventive Medicine,
School of Vet. Medicine, Psychology,
Agriculture Economics
Davis, CA 95616
CHAIRMAN: Albert A. Harrison (Psych)
916-752-1884
Warren Johnston (Agriculture) 916-752-1521
DEGREES: M.S., Ph.D ENROLLMENT: 10
CONTACT: Melody Simonton (Psychology)
R. Cross (Agriculture)

Lynette A. Hart Adj. Asst. Prof.
Rutgers Univ. PhD 1976 916-752-7418
Applied ethology
Social behavior
Communication
Human-animal interactions
Antelopes (Mammalia:Artiodactyla:Bovidae)

Dogs (Mammalia:Carnivora:Canidae)
Cats (Mammalia:Carnivora:Felidae)
Humans

G. Mitchell Prof.
Univ. of Wisconsin PhD 1966 916-752-1880
Social behavior
Development
Methodology
Sex differneces; parental behavior and other social behaviors
Rhesus monkeys (Mammalia:Primates:Cercopithecidae)
Crab eating macaques (Mammalia:Primates:Cercopithecidae)
Bonnet monkey (Mammalia:Primates:Cercopithecidae)
Cats (Mammalia:Carnivora:Felidae)

Marc Mangel Prof.
Univ. of British Columbia Ph.D 1978 916-752-0827
Behavioral ecology
Learning
Methodology
Unified foraging theory and its applications
Fruit flies (Insecta)
Starling

### UNIVERSITY OF CALIFORNIA, IRVINE

Psychobiology
Irvine, CA 92717
CHAIRMAN: James L. McGaugh 714-856-6114
DEGREES: Ph.D ENROLLMENT: 6
CONTACT: Norman Weinberger

Pauline Yahr Prof.
Univ. of Texas Ph.D 1972 714-856-7050
Endocrine/hormonal mechanisms
Neural mechanisms
Social behavior
Neural action of sex steroids in controlling sexual behavior and chemical communication
Gerbils (Mammalia:Rodentia:Cricitidae)
Rats (Mammalia:Rodentia:Muridae)

### UNIVERSITY OF CALIFORNIA, LOS ANGELES

Biology
Los Angeles, CA 90024
CHAIRMAN: David Chapman 213-825-3481
DEGREES: B.S., M.A., Ph.D ENROLLMENT: 8
CONTACT: Department Graudate Office

James G. Morin Prof.
Harvard Univ. Ph.D 1969 213-825-1674
Visual communication
Sex and reproduction
Predator/prey interactions
Luminescent communication and sexual selection in tropical marine ostracode crustaceans
Firefleas (Crustacae:Myodocopida:Cypridinidae)

Laurie J. Vitt Assoc. Prof.
Arizona State Univ. Ph.D 1976 213-825-1575
Behavioral ecology
Communication
Natural history
Field ecology, life histories, predator-prey interactions
Lizards (Reptilia:Savria:All families)
Snakes (Reptilia:Serpentes:All families)
Turtles (Reptilia:Lhelonia:All families)
Crocodiles (reptilia:Crocodilia:All families)

Robert M. Gibson Asst. Prof.
Univ. of Sussex D. Phil. 1978 213-825-6459
Behavioral ecology
Evolution/survival value
Social behavior
Mating systems, sexual selection and mate choice, communication
Grouse (Aves:Galliformes:Tetraonidae)
Deer (Mammalia:Artiodactyla:Cervidae)
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)

William Hamner Adj. Prof.
UCLA Ph.D 1965 213-825-9302
Behavioral ecology
Evolution/survival value
Social behavior/spacing
Intraspecific behavior with animal aggregations;
Schooling/flocking behavior; natural history-behavior oceanic animals
Fishes (Chordata:Pisces)
Shrimp (Crustacea)
Medusae (Cridaria)
Ctenophora (Ctenophora)
Birds in general (Aves)

### UNIV OF CALIFORNIA, SANTA BARBARA

Biological Sciences
Santa Barbara, CA 93106
CHAIRMAN: Leslie Wilson 805-961-2979
DEGREES: M.A., Ph.D ENROLLMENT: 11
CONTACT: Stephanie Slosser

Stephen I. Rothstein Prof.
Yale Univ. Ph.D 1970 805-961-2834/3511
Evolution/survival value
Communication: acoustic
Social behavior: dominance
Behavioral adaptations related to parasite-host interactions,
Acoustic communication and dominance in social groups
Brown-headed cowbird (Aves:Passeriformes:Emberizidae)
White-crowned Sparrow (Aves:Passeriformes:Emberizidae)
Blackbirds (Aves:Passeriformes:Emberizidae)

Robert R. Warner Prof.
Scripps Inst. Ph.D 1973 805-961-2941
Behavioral ecology
Life history
Population ecology
Behavioral ecology of coral reef fish
Bluehead Wrasse (Chordata:Pisces:Labridae)

Adrian M. Wenner Prof.
Univ. of Michigan Ph.D 1961 805-961-2838

Behav ecology: orientation, etc.
Communication: acoustic
Methodology: Other: Philosophy of science
Application of the "strong inference" approach to animal behavior studies
Honey bees (Insecta:Hymenoptera:Apidae)
Sand crabs (Crustacea:Decapoda:Hippidae)
Beach hoppers (Crustacea:Amphipoda:Talitridae)
Monarch butterflies (Insecta:Lepidoptera:Danaidae)

Stephen I. Rothstein Prof.
Yale Univ. Ph.D 805-961-2834
Origin and maintenance of dialects, determinants and consequences of social dominance, status signaling, coevolution between parasitic birds and their hosts, avian nesting biology
Cowbirds (Aves:Passeriformes:Molothrus)
White-crowned sparrows (Aves:Passeriformes:Emberizinae)
Passerines (Aves:Passeriformes)

### UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Biology
Santa Cruz, CA 95064
CHAIRMAN: C. Poodry 408-429-2385
DEGREES: Ph.D ENROLLMENT:30
CONTACT: Dean, Graduate Office

Burney V. Le Boeuf Prof.
Univ. of California, Berkeley Ph.D 1966 408-429-2845
Social behavior/sex & reproduction
Evolution/survival value
Sexual selection
Elephant seal (Mammalia:Pinnipedia:Phocidae)
Sea lions (Mammalia:Pinnipedia:Otariidae)

## CONNECTICUT

### UNIVERSITY OF CONNECTICUT

Psychology
Storrs, CT 06268
CHAIRMAN: Jerome Smith 203-486-3517
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: D.A. Yutzey; V.H. Denenberg

V.H. Denenberg Prof.
Purdue Univ. Ph.D 1953 203-486-3826
Development/ontogeny
Endocr/horm mech
Neural mech
Brain lateralization; sex differences; sleep states
Rats, Mice (Rodentia:Muridae)
Rabbits (Lagomorpha)
Humans (Primates:Hominidae)

B. Ginsberg Prof.
Univ. of Chicago Ph.D 1943 203-486-2351
Behav genetics
Social behav
Communication
Social stress & gene expression; dyslexia
Dogs (Carnivora:Danidae)
Mice (Rodentia:Muridae)
Humans (Primates:Hominidae)

S. Maxson Prof.
Univ. of Chicago Ph.D 1966 203-486-2455
Behav genetics
Social behav
Aggression
molecular genetics regulating social behav
Mice (Rodentia:Muridae)

B.D. Sachs Prof.
Univ. of Calif, Berkeley Ph.D 1966 203-486-2250
Endocrine/hormone mech
Neural mechan
Sex & reprod
psychobiology of mating behav and its reflexive components
Rats (Rodentia:Muridae)
Mice (Rodentia:Muridae)

H. Swadlow Prof.
Univ. of Miami Ph.D 1970 203-486-2252
Neural mechanisms
Sensory mechanisms
Neurophysiological correlates of sensation/perception
Rabbits (Lagomorpha)

E. Thoman Prof.
Univ. of Nebraska Ph.D 1965 203-486-4042
Sleep
Biological rhythms
Development/ontogeny
Development of normal and abnormal sleep states and rhythms
Humans (Primates:Hominidae)
Rabbits (Lagomorpha)

W.A. Wilson Prof.
Univ. of Calif, Berkeley Ph.D 1956 203-486-4106
Learning
Sensory mechan
Neural mechan
Crossmodal transfer
Humans (Primates:Hominidae)

D.A. Yutzey Assoc. Prof.
Ohio State Univ. Ph.D 1965 203-486-4108
Neural mech
Motiv/emotion
Drug studies
Brain lateral; animal models of alcoholism
Rats (Rodentia:Muridae)

E. Mugnaini Prof.
Univ. of Pisa MD 1962 203-486-5154
Neural mechanisms
Neuroanatomy
Locomotion
Neurotransmitter systems; laterality; locomotor function
Mice, Rats (Rodentia:Muridae)
Cats (Carnivora:Felidae)

## FLORIDA

**FLORIDA STATE UNIVERSITY**
Biological Science
Tallahassee, FL 32306
CHAIRMAN: Lawrence G. Abele 904-644-3700
DEGREES: M.S., Ph.D ENROLLMENT: 20
CONTACT: W.H. Heard

William F. Herrnkind Prof.
Univ. of Miami Ph.D 1968 904-644-6882
Orientation/migration
Habitat selection
Predator/prey interactions
Orientation in the marine milieu; behavioral adaptations and process,
Regulating mortality and distribution of marine invertebrates
Spiny lobsters (Crustacea)
Hermit crabs (Crustacea)
Snails (Gastropoda)

**UNIVERSITY OF FLORIDA**
Zoology
Gainesville, FL 32611
CHAIRMAN: D. Evans 904-392-1107
DEGREES: A.B./M.A., Ph.D. ENROLLMENT: 50
CONTACT: Jane Brockmann

Lincoln P. Brower Prof.
Yale Univ. Ph.D 1957 904-392-1107
Migration
Courtship
Prey-predator relationships
Ecological chemistry of 3 trophic levels involving plants,herbivores and predators interaction;
Migration of monarch butterfly, mimicy in general
Monarch butterfly (Insecta:Lepidoptera:Danaidae)
Northern Oriole (Aves:Icteridae)
Blue Jay (Aves:Corvidae)

**UNIVERSITY OF MIAMI**
Biology
Coral Gables, FL 33124
CHAIRMAN: Casimer Grabowski 305-284-4184
DEGREES: M.S., Ph.D. ENROLLMENT: 10
CONTACT: Cas Grabowski

Thomas G. Nolen Asst. Prof.
Cornell Univ. Ph.D 1984
Neural mech - neurophys correlates
Sensory mech - audition
Learning - development
insect neuroethology-phonotatic behavior;
neural mechanisms of learning;
development of behavior and behavioral plasticity
Crickets (Insecta:Orthoptera:Gryllidae)
Sea snail (Aplysia) (Mollusca:Gastropoda:Opistobranch)

Richard R. Tokarz Asst. Prof.
Univ. of Colorado, Boulder Ph.D 1977 305-284-6209
Endocrine/hormonal mechanisms
Social behavior - sex and reproduction
Social behavior - aggression
Hormonal control of sexual and aggressive behavior in anoline lizards
Brown anole (Anolis sagrei) (Reptilia:Sauria:Iguenidae)
Green anole (Anolis carolinegis) (Reptilia:Sauria:Iguanidae)

**UNIVERSITY OF SOUTH FLORIDA**
Biology
Tampa, FL 33620
CHAIRMAN: C. Dawes 813-974-3250
DEGREES: M.S., Ph.D. ENROLLMENT:
CONTACT: Earl McCoy

Philip J. Motta Asst. Prof.
Univ. of Hawaii Ph.D 1980 813-974-3250
Foraging
Feeding/ingestion
Predator/prey interactions
Funct. morphol and feeding behavior of fishes
Fishes (Chordates:Pisces)

## IDAHO

**IDAHO STATE UNIVERSITY**
Psychology
Pocatello, ID 83209
CHAIRMAN: Victor Joe 208-236-2462
DEGREES: M.S. ENROLLMENT: 2
CONTACT: Victor Joe or Linda Enloe

Linda J. Enloe Assoc. Prof.
Ohio State Univ. Ph.D 1973 208-236-2462
Development
Learning
Social behavior
Domestic dogs (Carnivora:Canis familiaris)
Coyotes (Carnivora:Canis latrans)

## ILLINOIS

**EASTERN ILLINOIS UNIVERSITY**
Zoology
Charleston, IL 61920
CHAIRMAN: Michael Goodrich 217-581-3126
DEGREES: M.S. ENROLLMENT: 5
CONTACT: Michael Goodrich

Michael Goodrich Prof.
Penn State Univ. Ph.D 1964 217-581-3126
Learning
Behav. Ecol. - Foraging
Feeding/ingestion

Feeding behavior and utilization of sense organs in snakes.
Learning in
Colubrid snakes (Reptilia:Serpentes:Colubridae)
Pit vipers (Reptilia:Serpentes:Crotalidae)
Raspberry Fruitworms (Insecta:Coleoptera:Byturidae)

L. Barrie Hunt Prof.
Univ. of Wisconsin, Madison Ph.D 1968 217-581-2817
Behav. Ecol.
Social Behav.
Site selection by Saguaro-excavating woodpeckers
Maintenance of pair bonds and family units among Paridae
Gila Woodpecker (Aves:Piciformes)
Gilded Flicker (Aves:Piciformes)
Tufted Titmouse (Aves, Passeriformes)
Carolina Chickadee (Aves, Passeriformes)

Jaime Estrada Maya Assoc. Prof.
Univ. of Arizona Ph.D 1968 217-581-2926
Behav. Ecol.
Natural History
Social Behavior
Bat behavior and interspecific behavior in restrictive habitats.
Fish-eating bat (Mammalia:Chiroptera:Vespertilionidae)
Least Petrel (Aves:Procellariformes:Hydrobatidae)
Black Petrel (Aves:Procellariformes:Hydrobatidae)
Whiptail (Reptilia:Squamata:Teiidae)

Kipp C. Kruse Assoc. Prof.
Univ. of Nebraska Ph.D 1978 217-581-3363
Behav. Ecol. - Sexual Selection
Behav. Ecol. - Predator/Prey Interation
Sexual selection in water bugs and anurans and the evolution of mating systems.
Giant water bugs (Insecta:Hemiptera:Belostomatidae)
American Toads (Amphibia:Anura:Bufonidae)

Richard D. Andrews Prof.
Univ. of Illinois Ph.D 1966 217-581-5026
Applied Ethology - Wildlife
Natural History
Wild Turkey (Aves:Galliformes:Meleagridae)
Screech Owl (Aves:Strigiformes:Strigidae)
Tree Squirrels (Mammalia:Rodentia:Sciuridae)

### ILLINOIS STATE UNIVERSITY

Biological Sciences
Normal, IL 61761
CHAIRMAN: George W. Kidder III 309-438-3669
DEGREES: M.S., Ph.D ENROLLMENT: 5
CONTACT: Graduate Advisor

Scott K. Sakaluk Asst. Prof.
Univ. of Toronto Ph.D 1986 309-438-3669
Sex & reproduction
Acoustic communication
Behavioral genetics
Insect mating systems, courtship food gifts, mate choice
Crickets (Insecta:Orthoptera:Gryllidae)
Haglids (Insecta:Orthoptera:Haglidae)

Charles F. Thompson Assoc. Prof.
Indiana Univ. Ph.D 1971 309-438-2656
Behav. Ecol.
Social Behav. - Sex & reproduction
Behavioral and evolutionary ecology of birds
House Wren (Chordata:Aves:Passeriformes)
European Starling (Chordata:Aves:Passeriformes)
Painted Bunting (Chordata:Aves:Passeriformes)

### NORTHWESTERN UNIVERSITY

Anthropology
Evanston, IL 60201
CHAIRMAN: Donald Sade 312-491-5402
DEGREES: PhD ENROLLMENT: 1
CONTACT:

Irene M. Pepperberg Visiting Asst. Prof.
Harvard Univ. Ph.D 1976 312-491-7872
Communication - acoustic
Learning - cognition
Animal-human communication
Grey parrot (Aves:Psittacus:Erithacus)

### UNIVERSITY OF ILLINOIS, CHICAGO

Biological Sciences
Chicago, IL 60680
CHAIRMAN: Sidney B. Simpson 312-996-2213
DEGREES: M.S., Ph.D., D.A. ENROLLMENT: 12
CONTACT: Stephen Weaver

Bernard Greenberg Prof.
Univ. of Kansas Ph.D 1954 312-996-3103
Natural history/descriptive studies
Ontogeny
Behavior and distribution of calliphoid and other carrion flies; life cycles, developmental rates, competition
Flies (Diptera:Calliphoridae, Muscidae, Phoridae, Sarophagidae)

Eliot B. Spiess Prof.
Harvard Univ. Ph.D 1949 312-996-2576
Behavioral genetics
Evolution
Social behavior/sexual selection
Genetic basis of behavior determining fitness and/or sexual selection
Drosophila (Insecta:Diptera:Drosophilidae)

Robert B. Willey Assoc. Prof.
Harvard Univ. Ph.D 1959 312-996-2258
Acoustic/visual communication
Evolution
Behavioral ecology
Biogeographical evidences of behavioral (communicative) changes and morphological divergence between populations within a wide-ranging species and character divergence between sympatric species
Band-winged grasshoppers (Insecta:Orthoptera:Acrididae)

A. Don Murphy Asst. Prof.

Univ. of Iowa Ph.D 1979 312-996-8087
Feeding
Neurophysiological correlates
nNural basis of feeding in pond snails;
Identifiable neurons and rhythmic behaviors
Snail (Gastropoda:Pulmonata:Planorbidae)

Christopher M. Comer Asst. Prof.
Univ. of Chicago Ph.D 1980 312-996-2992
Neural mechanisms
Orientation
Predator/prey interactions
Neural basis of spatially directed movement;
sensorimotor integration;
Escape behavior of the cockroach;
Sensory orientation and prey capture by frogs and toads
American cockroach (Insecta:Orthoptera:Blattidae)
Toads (Amphibia:Salientia:Bufonidae)
Frogs (Amphibia:Salientia:Ranidae)

David B. Mertz Prof.
Univ. of Chicago Ph.D. 1965 312-996-5437
Behavioral genetics
Behavioral ecology - redator/prey ints.
Population limitation and ecological interactions, particularly cannibalism and interference behavior
Confused Flour Beetle (Insecta:Coleoptera:Tenebrionidae)
Chestnut Flour Beetle (Insecta:Coleoptera:Tenebrionidae)

Thomas L. Poulson Prof.
Univ. of Michigan, Ann Arbor Ph.D 1961 312-996-4537
Foraging and habitat selection
Predator-prey interaction
Evolution/survival value
current behavioral studies are part of broad evolutionary-ecological work on cave organisms. This includes work in all the species in aquatic and terrestrial communities.
Cave spiders (Arthropoda:Arachnidae:Linyphiidae)
Cave beetles (Arthropoda:Insecta:Coleoptera:Carabidae & Leiodidae)
Cave fish (Chordata:Pisces:Osteichthyes:Amblyopsidae)
Dung beetle (Arthropoda:Insecta:Coleoptera:Scarabeinae)

**UNIV OF ILLINOIS, URBANA-CHAMPAIGN**
Animal Sciences
Urbana, IL 61801
CHAIRMAN: W.R. Gomes 217-333-3462
DEGREES: M.S., Ph.D ENROLLMENT: 9
CONTACT: H.W. Gonyou

Harold W. Gonyou Assoc. Prof.
Univ. of Saskatchewan Ph.D 1980 217-333-2118
Applied ethology/domestic animals
Social behavior/parental
Social behavior/aggression
Social and maternal behavior in domestic animals
Swine (Mammalia:Artiodactyla:Suidae)
Cattle (Mammalia:Artiodactyla:Bovidae)
Sheep (Mammalia:Artiodactyla:Bovidae)

## INDIANA

**INDIANA UNIVERSITY**
Biology
Bloomington, IN 47405
CHAIRMAN: Thomas Blumenthal 812-335-6283
DEGREES: M.S., Ph.D ENROLLMENT: 30
CONTACT: Mrs. D. Brown, Biology, Graduate Secretary

Ellen D. Ketterson Assoc. Prof
Indiana Univ. Ph.D 1974 812-335-6837
Behav. Ecol.-Orient/Nav/Migrat/Homing
Biological Rhythms
Social Behav-Parental/Filial migration; parental care; dominance; appetitie regulation
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Tree-sparrow (Aves:Passeriformes:Emberizidae)
White-crowned sparrow (Aves:Passeriformes:Emberizidae)

Craig E. Nelson Assoc. Prof.
Univ. of Texas Ph.D 1966 812-335-1345
Evolution/Survival Value
Social Behav-Sex and Reproduction
Behav Ecol-Predator/Prey Interact
Community and population structure of Amphibia;
Social behavior in Amphibia; developmental ecology of turtles
Frogs (Amphibia:Anura)
Salamanders (Amphibia:Caudata)
Turtles (Reptilia:Chelonia)

Val Nolan, Jr. Prof.
Indiana Univ. J.D. 1949 812-335-6209
Behav Ecol-Orient/Nav/Migrat/Homing
Social Behav-Sex and Reproduction
Social Behav-Other (Brood Parasitism)
Sex ratio; intraspecific variation in migration; mating systems; hormones and behavior; host-parasite interactions
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)
Red-winged Blackbird (Aves:Passeriformes:Emberizidae)
Indigo Bunting (Aves:Passeriformes:Emberizidae)
Brown-headed Cowbird (Aves:Passeriformes:Emberizidae)
Prairie Warbler (Aves:Passeriformes:Emberizidae)

John B. Phillips Asst. Prof.
Cornell Univ. Ph.D 1984
Sensory Mechanisms - vision; magneto reception
Behavioral Ecology - migration; navigation
Social Behavior - mating systems; redator-prey interactions
Visual mechanisms in orientation/navagation
Neurophysiology of visual receptors; sensory basis of magneto reception;
Mating system evolution
Housefly/Blowfly (Insecta:Diptera:Muscidae & Calliphoroidea)
Eastern Newt (Amphibia:Urodela:Salamandridae)
Cave Salamander (Amphibia:Urodela:Plethodontidae)
Pigeon (Aves:Columbiformes:Columbidae)
Hungarian Hamster (Mammalia:Rodentia:Cricetidae)

William Rowland Assoc. Prof.
SUNY, Stony Brook Ph.D. 1970 812-335-3470
Social Behavior

ommunication
ehav Ecol
tegration of ethology and behavioral ecology sociobiology;
isplay behavior; courtship and aggression; mate choice and
xual selection
ticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)
ichlids (Osteichthyes:Perciformes:Cichlidae)
unfishes (Osteichthyes:Perciformes:Centrarchidae)
ewts (Amphibia:Urodela:Salamandridae)

amuel W. Skinner Asst. Prof.
niv. of Utah Ph.D 1983 812-335-7613
volution/Survival Value
ehavioral Ecology
havioral Genetics
fe history evolution; kin and group selection
sonia (Insecta:Hymenoptera:Pteromalidae)

oderick A. Suthers Prof.
rvard Univ. Ph.D 1964 812-335-8353
hav Ecol
nsory Mech-Audition
mmunication-Acoustic
imal sonar systems; physiology of acoustics of bird song;
ditory physiology; sensory ecology
ds (Aves)
ts (Mammalia:Chiroptera)

### INDIANA UNIVERSITY

Psychology
Bloomington, IN 47405
CHAIRMAN: Irving J. Saltzman 812-339-3305
DEGREES: M.A., Ph.D ENROLLMENT: 10
CONTACT: William D. Timberlake

rey R. Alberts Prof
ceton Univ. Ph.D 1974 812-335-3309
elopmet/Ontogeny
sory Mech-Chemical
er-Energetics
rent-offspring relations: development of adaptive
cializations
rway Rat (Mammalia:Rodentia:Muridae)
ifornia Mouse (Mammalia:Rodentia:Muridae)
ptian Spiny Mouse (Mammalia:Rodentia:Muridae)

es Allison Prof.
v of Michigan Ph.D 1963 812-335-8362
ning
avioral Ecology
ling/Ingestion
forcement, behavioral economics, foraging
nts (Mammalia:Rodentia:Muridae)
ans (Mammalia:Primates:Hominidae)

ph Farley Assoc. Prof.
. California, San Diego Ph.D 1978
ning
al mechanisms
ory mechanisms
al plasticity and behavior

Hermissenda (Molluscs:Gastropods)
Rats (Mammalia:Rodentia:Muridae)
Pigeons (Aves:Columbiformes:Columbidae)

Eliot Hearst Prof.
Columbia Univ. Ph.D 1956 812-335-9282
Learning
Motivation
History of Psychology
Pavlovian conditioning; discrimination learning
Pigeon (Aves:Columbiformes:Columbidae)
Rat (Mammalia:Rodentia:Muridae)

Ronald E. Kettner Asst. Prof.
Univ. of California, Irvine Ph.D 1981
Neural mechanisms
Arm movements
Audition
Rhesus monkey

Dale R. Sengelaub Asst. Prof.
Cornell Univ. Ph.D 1983 812-335-9149
Neural mechanisms
Social behavior
Sensory mechanisms
Development of neural structure, adult plasticity
Rat (Mammilia:Rodentia:Cricetidae)
Gerbil (Mammilia:Rodentia:Cricetidae)
Mouse (Mammilia:Rodentia:Cricetidae)
Cat (Mammilia:Carnivora:Felidae)

William D. Timberlake Prof.
Univ. of Michigan Ph.D 1969 812-335-4042
Learning-Reinforcement
Behav Ecol-Foraging
Biological Rhythms
The investigation of learning in an ecological context
Rats (Mammalia:Rodentia:Muridae)
Pigeons (Aves:Columbiformes:Columbidae)
Deer Mice (Mammalia:Rodentia:Cricetidae)

### PURDUE UNIVERSITY

Animal Sciences
W. Lafayette, IN 47907
CHAIRMAN: Bud G. Harmon 317-494-4808
DEGREES: M.S., Ph.D ENROLLMENT:
CONTACT: Jack L. Albright

J.L. Albright Prof.
Washington State Univ. Ph.D 1957 317-494-8010
Applied ethol-domestic animals
Social behav-dominance
Behav ecol-habitat selection
Farm animal behavior, care and welfare; early experiences
Cattle (Mammalia:Artiodactyla:Bovidae)
Sheep (Mammalia:Artiodactyla:Bovidae)
Goats (Mammalia:Artiodactyla:Bovidae)
Pigs (Mammalia:Artiodactyla:Suidae)
Other Farm Animals

## KENTUCKY

### UNIVERSITY OF KENTUCKY
Entomology
Lexington, KY 40546
CHAIRMAN: B.C. Bass 606-257-7450
DEGREES: M.S., Ph.D ENROLLMENT: -0-
CONTACT: B.C. Bass

Kenneth F. Haynes Asst. Prof.
Univ. of Calif, Davis Ph.D 1982 606-257-1618
Communication/chemical
Evolution/survival value
Sex and reproduction
Insect pheromones; chemical communication in insects;
Courtship behavior;
Mechanisms or orientation; chemical ecology
Moths (Insecta:Lepidoptera)
Beetles (Insecta:Coleoptera)

## MAINE

### UNIVERSITY OF MAINE
Zoology
Orono, ME 207-581-2551
CHAIRMAN: James D. McCleave 207-581-2551
DEGREES: M.S., Ph.D ENROLLMENT: 5
CONTACT: Ms. Bonnie L. Morgan

Harold B. Dowse Asst. Prof.
New York Univ. Ph.D 1971 207-581-2536
Biological rhythms
Behavior genetics
Theoretical models
Effects of genetic lesions on the biological clock in
DrosophilamelanogasterFruit fly
(Insecta:Diptera:Drosophilidae)

William E. Glanz Assoc. Prof.
Univ. of California, Berkeley Ph.D 1977 207-581-2545
Behav ecology; foraging
Behav ecology; habitat selection
Behav ecology; territoriality
Foraging, caching & population ecology of tree squirrels and other seed predators
Tree squirrel (Mammalia:Rodentia:Sciuridae)
Mice (Mammalia:Rodentia:Cricetidae)
Agoutis & Pacas (Mammalia:Rodentia:Dasyproctidae)
Jays (Aves:Passeriformes:Corvidae)

Leonard Kass Asst. Prof.
Univ. Illinois, Champaign-Urbana Ph.D 1980 207-581-2567
Sensory mechanisms
Neural mechanisms
Biological rhythms
Neurophysiology, pharmacology, behavior
Horseshoe crab (Arthropoda:Merostomata:Limulus polyrhemus)

Irv Kornfield Assoc. Prof.
SUNY, Stony Brook Ph.D 1974 207-581-2548
Evolution
Natural history
Behav ecol
Reproductive behavior, mating systems and sexual selection in fishes
Cichlids (Osteichthyes:Percomorphi:Cichlidae)

James D. McCleave Prof.
Montana State Univ. Ph.D 1967 207-581-2542
Behavioral ecology: orient/navigation/migration/homing
Locomotion
Biological rhythms
Migratory and locomotory mechanisms in larval, juvenile and adult eels, and other diadromous fishes
American & European eels
(Osteichthyes:Anguilliformes:Angiollidae)

John R. Moring Assoc. Prof.
Univ of Washington Ph.D 1973 207-581-2580
Behavioral ecology
Applied Ethology
Descriptive studies/natural history
Fisheries ecology; habitat selection by fishes
Salmon & trout (Osteichthyes:Clupeiformes:Salmonidae)
Lumpfish (Osteichthyes;Perciformes:Cyclopteridae)
Rock gunnel (Osteichthyes:Perciformes:Pholidae)

John Ringo Assoc. Prof.
Univ. of California, Davis Ph.D 1973 207-581-2556
Behavioral genetics
Biological rhythms
Evolution
Biological clock mutants
Fruit flies (Insecta:Diptera:Drosophilidae)

J. Malcolm Shick Prof.
Texas A&M Univ. Ph.D 1974 207-581-2562
Behavioral ecology
Evolution/survival value
Sensory mechanisms
Responses to variable levels of oxygen and illumination, especially hyperoxia and solar UV irradiation
Sea anemones (Anthozoa:Actiniaria)

## MARYLAND

### UNIVERSITY OF MARYLAND
Zoology, Poultry Science
College Park, MD 20742
CHAIRMAN: Arthur Popper (Zoology) 301-454-3202
O.P. Thomas (Poultry Science) 301-454-3835
DEGREES: M.S., Ph.D ENROLLMENT: 20
CONTACT: J. David Allan (Zoology)
O.P. Thomas (Poultry Science)

Gerald Borgia Assoc. Prof.
Univ. of Michigan Ph.D 1978 301-454-5757
Social behavior
Evolution/survival value
Sexual selection
Birds/Bowerbirds (Aves:Passerformes:Ptilonorynchidae)
Insects/Dungflies (Insecta:Diptera:Scatophagidae)

Gerald Wilkerson Asst. Prof.
Univ. of Calif San Diego Ph.D 1984 301-454-5410
Social behavior
Evolution/survival value
Behavioral genetics
Evolution of altruism and cooperation in bats;
Quantitative genetic consequences of sexual selection in flies
Evening bat (Mammalia:Chiroptera:Vespertilionidae)
Stalk-eyed flies (Insecta:Diptera:Diopsidae)
Vampire bat (Mammalia:Chiroptera:Phyllostomatidae)

Joy A. Mench Asst. Prof.
Univ. of Sussex D. Phil. 1983 301-454-5064
Applied ethology: domestic animals
Development/ontogeny
Endocrine/hormonal mech
Effects of stress on behavioral and endocrine responses;
ontogeny of social behavior
Quail (Aves:Galliformes:Phasianidae)
Chickens (Aves:Galliformes)

Mary Ann Ottinger Assoc. Prof.
Univ. of Maryland Ph.D 1977 301-454-5061
Endocrine/hormonal mech
Neural mech
Behavioral endocrinology in context of embryonic
differentiation,
Maturation of the system and aging as pertinent to reproduction
Quail (Aves:Galliformes:Phasianidae)
Chickens (Aves:Galliformes)

Wayne J. Kuenzel Prof.
Univ. of Georgia Ph.D 1969 301-454-5063
Feeding/ingestion
Neural mechanisms (brain lesions)
Drug studies
Neural control of food and water intake and the neural control of
precocious puberty; the approach is a comparative one with an
emphasis on birds
Domestic fowl (Aves:Galliformes)
Turkeys (Aves:Galliformes:Meleagrididae)
White-throated sparrows (Aves:Passeriformes:Fringillidae)

## MISSISSIPPI

**MISSISSIPPI STATE UNIVERSITY**
Biological Sciences
Mississippi State, MS 39762-5759
CHAIRMAN: H. Wyman Dorough 601-325-7587
DEGREES: M.S., Ph.D ENROLLMENT: 8
CONTACT: Graduate School Admissions

Wallace J. Dominey Asst. Prof.
Cornell Univ. Ph.D 1981 601-325-3120
Behavioral ecology
Social behavior
Evolution
Mating systems, alternative mating behaviors, sexual selection
Bluegill sunfish (Pisces:Centrarchidae)
African chichlids (Pisces:Chichlidae)
Hawaiian Drosophila (Insecta:Diptera)

Jerome A. Jackson Prof.
Univ. of Kansas Ph.D 1970 601-325-3120
Behavioral ecology
Descriptive studies/natural history
Social Behavior
Foraging, habitat selection, cooperative breeding
Red-cockaded woodpecker (Aves:Piciformes:Picidae)
Snowy plover (Aves:Charadriiformes:Charodriidae)
Rat snake (Reptilia:Serpentes:Colubridae)

## NEBRASKA

**UNIVERSITY OF NEBRASKA, OMAHA**
Psychology
Omaha, NE 68182-0274
CHAIRMAN: Kenneth Deffenbacher 402-554-2592
DEGREES: M.A., Ph.D ENROLLMENT: 7
CONTACT: Jeffrey A. French

Jeffrey A. French Assoc. Prof.
Univ. of Wisconsin, Madison Ph.D 1982 402-554-2592
Social behavior: sex and reproduction
Endocrin/hormonal mechanisms
Communication: acoustic
Sexual communication, reproductive suppression, maintenance
of monogamy, referential communication
Golden lion tamarin (Mammalia:Primates:Callithrichidae)
Gerbils (Mammalia:Rodentia:Cricatidae)

## NEVADA

**UNIVERSITY OF NEVADA, RENO**
Psychology, Biology
Reno, NV 89557
CHAIRMAN: G.P. Ginsburg (Psych) B. Vig (Bio)
702-784-6828
DEGREES: MA, PhD ENROLLMENT: 10
CONTACT: B.T. Gardner, Psychology

R.A. Gardner Prof.
Northwestern Univ. Ph.D 1954 702-784-6828
Communication
Development
Learning
Sign language studies of chimpanzees
Chimpanzees (Primates:Pongidae)
Rats (Rodentia)

B.T. Gardner Prof.
Oxford Univ. D. Phil. 702-784-6685
Communication
Development
Social Behavior: parental/filial
Sign language studies of chimpanzees
Chimpanzees (Primates:Pongidae)
Children (Primates:Hominidae)

Stephen H. Jenkins Assoc. Prof.

Harvard Univ. 1975 702-784-6188
Behavioral ecology
Evolution/survival value
Feeding/ingestion; food selection, hoarding behavior of rodents
Rodents
(Mammalia:Rodentia:Castoridae,Cricetidae,Heteromyidae,Sciuridae)

Gary L. Vinyard Assoc. Prof.
Univ. of Kansas Ph.D 1977 702-784-6188
Behavioral ecology
Sensory mechanisms
Feeding/ingestion
Feeding behavior, community ecology of fish and aquatic insects
Fish (Chordata:Osteichthyes)

Richard W. Rust Assoc. Prof.
Univ. of California, Davis Ph.D 1972 702-784-6188
Behavioral ecology
Evolution/survival value
Social Behavior
Pollination ecology, parental investment, sexual selection in solitary bees
Bees (Insecta:Hymenoptera)

Joel Berger Assoc. Prof.
Univ. of Colorado Ph.D 1978 702-784-6763
Social behavior
Evolution/survival value
Behavioral ecology
Reproductive strategies, sexual selection, interactions of behavior and demography
Ungulates
(Mammalia:Perissodactyla:Equidae,Artiodactyla:Bovidae)

## NEW MEXICO

UNIVERSITY OF NEW MEXICO
Biology
Albuquerque, NM 87131
CHAIRMAN: D. Duszynski 505-277-3411
DEGREES: M.A., Ph.D ENROLLMENT:
CONTACT: Graduate Admissions Secretary

Astrid Kodric-Brown Assoc. Prof.
Univ. of Southern California Ph.D 1975
Behavioral ecology
Evolution/survival value
Social behavior
Mechanisms of sexual selection, mate choice, breeding systems, territoriality
Pupfish (Osteichthyes:Atherinoformes:Cyprinolontidae)
Guppy (Osteichthyes:Cyprinoformes:Cyprinolontidae)

## NEW YORK

COLUMBIA UNIV GRADUATE SCHOOL OF ARTS AND SCIENCES
Psychology
New York, NY 10027
CHAIRMAN: Robert Krauss 212-280-3949
DEGREES: Ph.D ENROLLMENT: 6
CONTACT: Nori Geary/Herbert Terrace

Peter Balsam Prof.
Univ. NC PhD 1975 212-280-5312
Learning
Development
Conditioning, development of feeding
Ring Doves (Aves:Columbiformes:Columbidae)
Pigeons (Aves:Columbiformes:Comumbidae)
Rats (Mammalia:Rodentia:Muridae)

Nori Geary Asst. Prof.
Brown Univ. Ph.D 1978 212-280-2196
Feeding/ingestion
Neural mechanisms
Drug studies/cocaine addition
Endocrine/matabolic relations of feeding/neuropharmacology of cocaine addiction
Albino Rat (Mammalia:Rodentia:Muridae)

John Gibbon Prof.
Columbia Univ. Ph.D 1965 212-280-3302
Learning
Behavioral etiology
Animal cognition - timing and time perception
Pigeons (Aves:Columbiformes:Columbidae)

Warren H. Meck Asst. Prof.
Brown Univ. PhD 1982 212-280-3057
Learning
Development
Neural Mechanisms
Animal cognition: timing, time perception, spatial abilities.
Rats (Mammilia:Rodentia:Murridae)

Rue Silver Prof.
Ph.D 1972 212-280-3930
Biological rhythms
Endocrine/Hormonal Mechanisms
Neural Mechanisms - Brain Transplants
Ring Doves (Aves:Columbiformes:Columbidae)
Hamsters (Mammalia:Rodentia:Muridae)

Herbert S. Terrace Prof.
Harvard Univ. Ph.D 1961 212-280-4545
Learning
Communication
Behavioral Ecology
Pigeons (Aves:Columbiformes:Columbidae)
Rhesus (Mammalia:Primates:Cercopithecidae)

Christina L. Williams Asst. Prof.
Rutgers Univ. Ph.D 1980 212-280-2329
Development/Ontogeny
Sex and Reproduction
Neural Mechanisms
Developmental psychobiology of motivated behavior
Rat (Mammalia:Rodentia:Muridae)

### CORNELL UNIVERSITY
Neurobiology and Behavior
Ithica, NY 14853
CHAIRMAN: Miriam Salpeter 607-255-4517
DEGREES: ENROLLMENT:
CONTACT: Ms. Stacey Coil

Kraig Adler Prof.
Univ. of Michigan Ph.D 1968 607-255-6569
Orientation
Navigation
Receptors
Sensory basis of animal orientation
Amphibia
Reptilia

Robert R. Capranica Prof.
MIT Sc.D 1964 607-255-3594
Animal Communication
Neuroethology
Hearing
Field studies in bioacoustic communication
Frogs (Amphibia:Anura:Ranidae)
Toads (Amphibia:Anura:Bufonidae)

Stephen T. Emlen Prof.
Cornell Univ. Ph.D 1966 607-255-4751
Behavioral Ecology
Social Behavior
Sociobiology and avain magration/navigation
White-Fronted Bee-eater (Aves:Coraciiformes:Meropidae)
American Jacana (Aves:Charadriiformes:Jacanidae)
Bank Swallow (Aves:Passeriformes:Hirundinidae)
New World Warblers (Aves:Passeriformes:Parulidae)

Carl Hopkins Prof.
Rockefeller Univ. Ph.D 1972 607-255-2259
Neuroenthology
Animal communication
Electric fish
Electric communication and neuroenthology
Electric fish (Gymonotiforms:Mormyriformes)

Howard C. Howland Prof.
Cornell Univ. Ph.D 1968 607-255-4716
Vision
Physiological optics
Human infants
Birds
Fish

Ron Hoy Prof.
Stanford Univ. Ph.D 1968 607-255-7473
Neuroethology
Communication
Auditory Behavior
Crickets (Orthoptera:Grillidae:Grillinae)
Fruitflies (Diptera:Drosphiliadae:Dro)
Praying Mantis (Dictyoptera)

Thomas D. Seeley Asst. Prof.
Harvard Univ. Ph.D 1978 607-255-6574
Social Behav. - cooperation
Behav. Ecology - foraging
Communication
Insect social life, cooperation and conflict, communication, division of labor, social organization especially of honey bees
Honeybee (Insecta:Hymenoptera:Apidae)
Dwarf Honeybee (Insecta:Hymenoptera:Apidae)
Eastern Hive Bee (Insecta:Hymenoptera:Apidae)
Giant Honeybee (Insecta:Hymenoptera:Apidae)

Charles Walcott Prof.
Cornell Univ. Ph.D 1959 607-[illegible]-4783
Orientation and Navigation
Animal Communication
Homing Pigeon

### HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK
Biopsychology/Psychology
New York, NY 10021
CHAIRMAN: Peter Moller 212-772-5621
DEGREES: Ph.D ENROLLMENT: 46
CONTACT: Peter Moller

Gordon Bazz Assoc. Prof.
Carnegie-Mellon Univ. Ph.D 1975 212-772-5610
Devel/Ontogeny
Drug Studies
Neural Mechanisms
Neurochemical basis of behavioral changes that occur during development and how these neural systems differ or remain the same
Rat (Mammalie:Rodentia:Ratus norvegicus)

Sheila Chase Prof.
City Univ. of New York Ph.D 1967 212-772-5617
Memory
Discrimination
Decision Processes
Development of a quantitative theory of learning, memory and decision making by birds, monkeys and humans
Pigeon (Aves:Columbiaformes)

John F. Oates Assoc. Prof.
Univ. of London Ph.D 1974 212-772-5410
Behav. Ecol.
Social Behav.
Ecological, behavioral and evolutionary studies of African rain-forest primates
Primates (Cercopithecidae)

Ethel Tobach Adjunct Professor/ Curator
New York Univ. Ph.D 1957 212-873-1300
Comparative Psychology
Social-Emotional Behavior
Development
Evolution and development of social/emotional behavior as functions of genetic and ecological processes; philosophical substrate of theories of evolutionary and behavioral processes
Sea Hares (Gastropoda:Anaspidae:Aplysia)

rican Mouth Brooders (Osteichythes:Teleostei:Saratheradon)
boratory Rats (Mammalia:Rodentia:Muridae)
mmon Spiny Mice (Mammalia:Rodentia:Muridae)
panese Monkey (Mammalia:Primata:Cercopithecidae)

ward Tupoff Prof.
JNY Ph.D 1968 212-873-1300
cial Behavior
mmunication
havioral Ecology
velopment and evolution of social behavior in ants
ive-making Ants (Hymenoptera)
my ants (Hymenoptera)

P. Zeigler Prof.
iv. of Wisconsin Ph.D 1958 212-873-1419
nsory: Somatosensory
eding (Ingestion)
ural Mechanisms
ural control of feeding: sensorymotor mechanisms
geon (Columbiformes)

ron A. Hofer Prof.
rvard Ph.D 1958 212-960-5692
velopment
cial Behavior
tivation (emotion)
e shaping influence of parent-infant interaction and
privation on development of behavioral and physiological
stems of offspring.
t (Mammalia:Rodentia:Muridae)
man (Mammalia:Primates:Hominidae)

### ROCKEFELLER UNIV FIELD RESEARCH CENTER

Animal Behavior
Millbrook, NY 12545
CHAIRMAN: P. Marler 914-677-5356
DEGREES: PhD ENROLLMENT: -0-
CONTACT: Dean's Office

ter R. Marler Prof.
mbridge Univ. England Ph.D 1954 914-677-5356
evelopment/ontogeny
mmunication/acoustic
locrine/hormonal mechanisms
imal behavior, with special reference to development of
al communication in birds and primates; animal semantics;
of innate knowledge in development of perception in
nals and man
s (Aves:Passeriformes)
nates (Primates:Pongidae and Cercopithecidae)

### S.U.N.Y. COLLEGE OF ENVIRONMENTAL. SCIENCE & FORESTRY

Environ. & Forest Biology
Syracuse, NY 13210
CHAIRMAN: R.L. Burgess 470-6749
DEGREES: M.S., Ph.D ENROLLMENT: 35
CONTACT: R.L. Burgess

Frank E. Kurczewski Prof.
Cornell Univ. Ph.D 1964 470-6753
Behavioral ecology
Natural history
Evolution/survival value
Comparative ethology of predatory wasps
Digger wasps (Insecta:Hymenoptera:Sphecidae)
Spider wasps (Insecta:Hymenoptera:Pompilidae)
Social wasps (Insecta:Hymenoptera:Vespidae)
Satallite flies (Insecta:Diptera:Sarcophagida

## OHIO

### BOWLING GREEN STATE UNIVERSITY

Biological Sciences
Bowling Green, OH 43403
CHAIRMAN: R.D. Nobel 419-372-2332
DEGREES: M.S., Ph.D ENROLLMENT: 6
CONTACT: Graduate Advisor, Dept Biol Sciences

Stephen H. Vessey Prof
Penn State Ph.D 1965 419-372-2434
Aggression
Social spacing
Sex and Reproduction
Behavior and population dynamics of rodents
Dominance and reproductive success in primates
Rodents (Mammalia:Rodentia:Muridae)
Macaques(Mammalia:Primates:Cercopithecidae)

Mark H. Gromko Assoc Prof
Indiana University Ph.D 1978 419-372-8206
Behavioral Genetics
Social Behavior - Sex and Reproduction
Evolution/Survival Value
Genetic basis of courtship, receptivity and reproductive success in Drosphila melanogaster. Sperm competition and the evolution of mating systems
Fruit fly (Insecta:Diptera:Drosophilidae)

John Rotenberry Assoc Prof
Oregon State Univ Ph.D 1978 419-372-2691
Behavioral Ecology - Foraging
Behavioral Ecology - Habitat Selection
Methodology - Data Collection/Analysis
Foraging ecology and habitat selection of passerine birds, particularly in dessert environments; pollination ecology, foraging behavior of insects that visit flowers
Sage Sparrows (Avas:Passeri formes:Emberizidae:Amphispiza)
Brewer's Sparrows (Avas:Passeriformes: Emberizidae:Spizella)
Bumble Bees (Insecta:Hymenoptera:Apidae:Bombus)

### OHIO UNIVERSITY

Zoological and Biomedical Sciences
Athens, OH 45701-2979
CHAIRMAN: Frederick Hagerman 614-594-5816
DEGREES: M.S., Ph.D ENROLLMENT: 10
CONTACT: Louise Edds, Graduate Committee Chairman

Walter J. Costello Asst. Prof

BEST COPY AVAILABLE

Boston Univ Ph.D 1978 614-594-6401
Development/ontogeny
Neural mech
Evolution/survival value
Neural basis of behavior; escape mechanisms
Clawed lobster (Crustacae:Decapoda:Nephropsidea)
Fruit fly (Insecta:Diptera:Drosophilidae)

Donald B. Miles Asst. Prof.
Univ. of Pennsylvania Ph.D 1985 614-593-2317
Behavioral ecology
Locomotion
Ecological morphology
Foraging ecology, habitat selection, community ecology, morphological correlates of locomotion in lizards
Passerline birds (Aves:Passeriformes)
Common tree lizard (Reptilia:Sauria:Iguanidae)
Longtailed Brush Lizard (Reptilia:Sauria:Iguanidae)

Scott M. Moody Asst. Prof.
Univ. of Michigan Ph.D 1980 614-594-6401
Behav ecol
Locomotion
Communication
Arboreal locomotion; epigamic display and signals;
Epidermal glands and species recognition
Lizards (Reptilia:Sauria:Agamidae)
Lizards (Reptilia:Sauria:Iguanidae)
Lizards (Reptilia:Sauria:Chamaeleontidae)

E.H. Peterson Asst. Prof.
Univ. of California Ph.D 1976 614-594-5816
Neural mech - other (motor control)
Sensory mech - vision
Other - functional morphology; neural control of neck movements; sensory-motor transformations; vestibular sensory mechanisms
Red-eared slider (Reptilia:Chelonia:Emydidae)

Jerome S. Rovner Prof.
Univ. of Maryland Ph.D 1966 614-593-2992
Behav ecol
Social behavior
Communication
Chemical/acoustic/visual communication
Spiders (Chelicerata:Arachnida:Araneae)

## OREGON

### PORTLAND STATE UNIVERSITY

Biology
Portland, OR 97207
CHAIRMAN: Richard Peterson 503-229-3851
DEGREES: M.S., M.A., Ph.D. ENROLLMENT: 10
CONTACT:

Joan Whittier Asst. Prof.
Univ. of Texas, Austin Ph.D 1986 503-229-3191
Endocrine/hormonan mech.
Neural mechanisms/neurophysiological correlates
Social behavior: sex/reproduction
Interactions between hormones and behavior in nonmammalian vertebrates; reproductive behavior and environmental physiological control mechanisms
Red-sided garter snake (Chordata:Reptilia:Serpentes)
Pacific treefrog (Chordata:Amphibia:Salientia)
Northwest salamander (Chordata:Amphibia:Salientia)

Richard Forbes Prof.
Univ. of Minnesota Ph.D 1964 503-229-3851
Natural history
Behavioral ecology
Social behavior
Ecological life histories of terrestrial vertebrates, especially small mammals
Mammals (Mammalia:Rodentia:Sciuridae)
Amphibians (Amphibia:Aura:Ranidae)
Amphibians (Amphibia:Caudata:Ambystomidae)
Birds
Reptiles

Larry I. Crawshaw Prof.
Univ. of Calif, Santa Barbara Ph.D 1970 503-229-4209
Neural mechanisms
Neurophysiological correlates
Temperature regulation
The behavioral and physiological mechanisms of temperature regulation and thermal ecology of vertebrates
Interested in all vertebrate species

Randy Zelick Asst. Prof.
Univ. of Calif, Los Angeles Ph.D 1984 503-229-3086
Learning/habituation
Sensory mechanisms/audition
Communication/acoustic
Novelty detection & habituation behavior in weakly electric fish; correlates with neural mechanisms
Acoustic behavior & auditory system physiology in anuran amphibians
Carapo knife fish (Pisces:Osteichthyes:Gymnotiformes)
Tree frog (Amphibia:Anura:Leptodactylidae)
Toads (Amphibia:Anura:Bufonidae)

## PENNSYLVANIA

### BUCKNELL UNIVERSITY

Animal Behavior, Psychology
Lewisberg, PA 17837
CHAIRMAN: Douglas Candland (Anim. Behav.)
717-524-1200
DEGREES: M A , M S ENROLLMENT: 6
CONTACT: D. Candland (Anim. Behav.)

Warren G. Abrahamson Prof.
Harvard Univ. Ph.D 1973 717-524-1155
Behav Ecol
Other-Insect Behavior
Insect gall-maker effects on plants and gall-maker natural enemies
Goldenrod Ball Gall-maker (Insecta: Diptera:Tephritidae)
Gall Wasps (Insecta:Hymenoptera:Eurytomidae)

l Beetle (Insecta:Coleoptera:Mordellidae)

ncy G. Caine Assoc. Prof
iv. of Calif., Davis Ph.D 1980 717-524-1200
:ial Behav
nav Ecol
velopment/Ontogeny
gilance and anti-predator adaptations in primates; peer
ationships; social organization
narins (Mammalia:Primates:Callitrichidae)

uglas K. Candland Prof.
nceton Univ. Ph.D 1959 717-524-1200
ner-Primate Soc Organ/Perception
ner-Threatened Species
:ial Behav
:ial perception among Macaca fuscata and Papio hamadryas
anese Monkey (Mammalia:Primates:Cercopithecidae)
madryas Baboon (Mammalia:Primates:Cercopithecidae)
uirrel Monkey(Mammalia:Primates:Cebidae)

vid J.C. Fletcher Assoc. Prof.
iv. of Natal Ph.D 1966 717-524-1339
ol of Social Behav
nav Ecol
gulation of Reproduction in eusocial Hymenoptera
mmunication, especially pheromonal mechanisms
iculture

ger M. Tarpy Prof.
nceton Univ Ph.D 1967 717-524-1200
arning
ner-Economics
ner-Concept Formation
ects of signaling reward on learning; demand functions
ts (Mammalia:Rodentia:Cricetidae)
msters (Mammalia:Rodentia:Cricetidae)
eons (Aves:Columbiformes:Columbidae)

**VILLANOVA UNIVERSITY**
Psychology
Villanova, PA 19085
CHAIRMAN: Gerald Long 215-645-4722
DEGREES: M.S. ENROLLMENT: 7
CONTACT: Chair, Graduate Advisory Committee

chael F. Brown Asst. Prof.
iv. of California, Berkeley PhD 1985 215-645-4748
arning - complex
arning - memory
emory coding and representation, cognition, spatial memory
rats, visual memory for compound stimuli in pigeons, flavor
ersion learning
geons (Aves:Columbiformes:Columbidae)
rway rats (Mammalia:Rodentia:Muridae)

ron Ward Prof.
lane Univ. Ph.D 1968 215-645-4756
docrine/hormonal mechanisms
cial behavior - sex and reproduction
ug studies

Modulation of fetal hormonal environment by maternal drug exposure, subsequent effects on behaviors that show gender-related variation
Rats (Mammalia:Rodentia:Muridae)

Ingeborg L. Ward Prof.
Tulane Univ. Ph.D 1967 215-645-4743
Development/ontogeny
Social Behavior/sex and reproduction
Endocrine/hormonal mechanism
Sexual behavior differentiation - prenatal hormonal and prepubertal social factors underlying sexually dimorphic behaviors
Rats (Mammalia:Rodentia:Muridae)

## TENNESSEE

**MEMPHIS STATE UNIVERSITY**
Psychology
Memphis, TN 38152
CHAIRMAN: Frank Leeming 901-454-2145
DEGREES: M.S., Ph.D ENROLLMENT: 8
CONTACT: DepT Chairman or Jeannette P. Ward

Jeanette P. Ward Prof.
Vanderbilt Univ. Ph.D 1969 901-454-2375
Misc/other lateralized behavior
Sensory mechanisms vision
Learning: discrimination
lateralized behavior of primates and its neural basis
Humans (Mammalia:Primates:Hominidae)
Lesser bushbaby (Mammalia:Primates:Lorisidae)
Greater bushbaby (Mammalia:Primates:Lorisidae)
Lemurs (several species) (Mammalia:Primates:Lemuridae)
Domestic cat (Mammalia:Carnivora:Felidae)

## TEXAS

**RICE UNIVERSITY**
Biology
Houston, TX 77005
CHAIRMAN: Raymon Glanz 713-527-4919
DEGREES: M.S., Ph.D, B.A., B.S. ENROLLMENT: 2
CONTACT: Joan Strassmann

Joan Strassmann Assoc. Prof.
Univ. of Texas, Austin Ph.D 1979 713-527-4922
Evolution
Social behavior
Behavioral socology
Evolution of social behavior in wasps
Paper wasps (Insecta:Hymenoptera:Vespidae)

**TEXAS A & M UNIVERSITY**
Veterinary Anatomy
College Station, TX 77843
CHAIRMAN: Gerald Bratton 409-845-2828
DEGREES: M.S., Ph.D ENROLLMENT:
CONTACT: Gerald Bratton

BEST COPY AVAILABLE

W.R. Klemm Prof.
Univ. of Notre Dame Ph.D 1963 409-845-4201
Neural mech
Communication
Drug studies
Neuropharmacology; neurophysiology
Cattle (Mammalia:Artiodactyla:Bovidae)
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)

**TEXAS A & M UNIVERSITY**
Small Animal Medicine and Surgery
College Station, TX 77843
CHAIRMAN: John August 409-845-2351
DEGREES: M.S. ENROLLMENT:
CONTACT: John August

Bonnie Beaver Prof.
Univ. of Minnesota D.V.M. 1968 409-845-3195
Applied ethol
Social behav
Other-Eliminative behav
Companion animals, domestic animals; aggression; dominance, social spacing; abnormal behavior patterns; activity patterns
Dogs (Mammalia:Carnivora:Canidae)
Cats (Mammalia:Carnivora:Felidae)
Horses (Mammalia:Perissodactyla:Equidae)
Cattle (Mammalia:Artiodactyla:Bovidae)
Baboons

**TEXAS TECH UNIVERSITY**
Animal Science
Lubbock, TX 79409
CHAIRMAN: J. McCroskey 806-742-2513
DEGREES: M.S., Ph.D. ENROLLMENT: 1
CONTACT: John McGlone

John J. McGlone Research Scientist
Univ. of Illinois Ph.D 1981 806-742-2513
Applied ethol-domestic animals
Communication-chemical
Social behav-aggression
Physiological mechanisms controlling pig aggression; Pheromones; applied ethology
Domestic pig (Mammalia:Artiodactyla:Suidae)

**UNIVERSITY OF TEXAS, ARLINGTON**
Psychology, Biology
Arlington, TX 76019
CHAIRMAN: Verne C. Cox (Psych) 817-273-3237
Edmund D. Brodie, Jr. (Bio) 817-273-2871
DEGREES: M.S., Ph.D. ENROLLMENT: 16
CONTACT: James N. Bowen (Psychology)
Graduate Advisor (Biology)

James Kopp Assoc. Prof.
Univ. of Michigan Ph.D 1967 817-273-3237
Learning
Learning-reinforcement
Other-Choice behavior
Operant conditioning-concurrent schedules of reinforcement (positive)
Rat (Mammalia:Rodentia:Muridae)
Squirrel Monkey (Mammalia:Primates:Tapaiidae)

Daniel R. Formanowicz Asst. Prof.
State Univ. of New York, Albany Ph.D 1982 817-273-2520
Predator/prey interact.
Foraging
Social behavior
Arthropod predator/prey interations including search behavior, diet choice, predation risk, and antipredator behavior; social aspects of foraging
Centipedes (Chilopoda:Scolopendridae)
Scorpions (Arachnida:Buthidae)
Aquatic insects (Coleoptera:Pytiscidae)
Turtles (Repilia:Testudines)
Frogs (Amphibia:Anura)
Shrews (Mammalia:Insectivova:Soricidae)

Edmund D. Brodie, Jr. Prof.
Oregon State Univ. Ph.D 1969 817-273-2871
Predator/prey interactions
Avoidance learning
Evolution/survival value
Antipredator adaptations of amphibians and reptiles including mimicy, toxins, crypsis and aggressive behaviors
Salamander (Chordata:Amphibia:Caudata)
Snake (Chordata:Reptilia:Serpentes)
Lizard (Chordata:Reptilia:Sauria)
Frog (Chordata:Amphibia:Anura)
Insects (Arthropoda:Insecta)

James V. Robinson Assoc. Prof.
Utah State Univ. Ph.D 1979 817-273-2419
Behavioral ecology-habitat selection
Behavioral ecology-predator/prey interact
Behavioral ecology-territoriality
Predator avoidance strategies in odonates
Damsel flies (Insecta:Odonata:Coenagrionidae)
Dragon flies (Insecta:Odonata:Libellulidae)
Dragon flies (Insecta:Odonata:Aeschnidae)

**UNIVERSITY OF TEXAS, AUSTIN**
Psychology
Austin, TX 78712
CHAIRMAN: Donald Foss 512-471-3627
DEGREES: MA, PhD ENROLLMENT: 15
CONTACT: M. Domjan or D. Thiessen

Wlater Wilczyniski Asst. Prof.
Univ. of Michigan Ph.D 1978 512-471-3358
Communication - acoustic
Sensory mechanisms - auditory
Neural mechanisms - neurophysiological correlates
Acoustic communication in frogs; comparative neuroanatomy
Leopard frog (Amphibia:Salientia:Ranidae)
Cricket frog (Amphibia:Salientia:Hylidae)

chael Domjan Prof.
Master Univ. Ph.D 1973 512-471-3627
arning
and reproduction
cial behavior
aptive specialization in learning, classical conditioning
anese quail (Coturnix:Coturnix:Japonica)

lbert D. Thiessen Prof.
iv. of California, Berkeley Ph.D 1963 512-471-5529
mmunication
olution
cial behavior
factory communication, comparative psychology
ngolian gerbil (Meriones:Unguiculatus:Rodent)
man

## RMONT

**UNIVERSITY OF VERMONT**
Zoology
Burlington, VT 05405
CHAIRMAN: George M. Happp 802-656-2922
DEGREES: M.S., Ph.D ENROLLMENT: 6
CONTACT: George M. Happ

n M. Herbers Assoc. Prof.
rthwestern Univ. Ph.D 1978 802-656-0449
havioral genetics
olution/survival
raging
olutionary ecology of eusocial insects
ts (Insecta:Hymenoptera:Formicidae)

lith Van Houten Assoc. Prof.
iv. of Calif, Santa Barbara Ph.D 1976 802-656-0452
nsory mechanisms
comotion
ural mechanisms
enetic analysis of chemoreception from receptor to behavioral
sponse levels; behavior of unicellular organisms
ramecium (Protozoa)

rnd Heinrich Prof.
iv. of Calif, Los Angeles Ph.D 1969 802-656-0443
havioral ecology
cial behavior
mmunication
raging biology of bumblebees, thermoregulation
ects (Insecta:Hymenoptera)
(Insecta:Lepidoptera)
vens (Aves:Piciformes)

seph J. Schall Assoc. Prof.
iv. of Texas Ph.D 1976 802-656-0448
rental behavior
mory
urtship
ect of parasites on social behavior, nesting behavior of
birds
stern fence lizard (Reptilia:Squamata:Iguanidae)

Whiptail lizards (Reptilia:Squamata:Terridae)
Cormorant (Aves:Pelecaniformes:Phalacrocoracidae)

Timothy Otter Asst. Prof.
Univ No Carolina, Chapel Hill Ph.D 1981 802-656-0460
Locomotion
Sensory Mechanisms
Behavioral genetics
Control of flagellar and eiliary movement
Chlamydomonas (Ph) Protozoa cl. Phytomastigophorea
Paramecium (Ph) Protozoa cl. Ciliata
Sea urchin (Ph) Echinodermata, (cl) Echinoidea
Sand dollar
Spermatozoa of echinoderms

## VIRGINIA

**UNIVERSITY OF VIRGINIA**
Behavioral Neuroscience
Charlottesville, VA 22901
CHAIRMAN: Menaker (Bio) 804-924-7169
Scarr (Psychology) 804-924-3374
DEGREES: MA, MS, PhD ENROLLMENT: 10
CONTACT: Phil Best

Emilie Rissman Asst. Prof.
Cornell Univ. Ph.D 1984 804-924-6862
Endocrine hormonal mechanism
Sexual behavior
Chemical communication
The roles of social and environmental cues on reproductive behavior;
Behavioral endocrinology
Musk shrew (Mammalia:Insectivora:Soricidae)

Douglas G. Mook Prof.
Univ. of Pennsylvania Ph.D 1962 804-924-0681
Feeding/ingestion
Motivation/emotions
Sensory mechanisms
Rat (Mammalia:Rodentia:Muridea)

Philip J. Best Prof.
Princeton Univ. Ph.D 1965 804-924-0686
Neurophysiological correlates
Learning and memory
Navigation
brain processing of complex cognitive functions
Rat (Rodentia:Muridae:Rattus Norvigious)

Peter C. Brunjes Assoc. Prof.
Indiana Univ. Ph.D 1979 804-924-0687
Development/ontogeny
Sensory mechanisms: chemical
Neural mechanisms: development
Development of olfactory system, comparative studies of rodent brain growth
Rats (Rattus Nonvegieus:Muridae:Rodentia Mammalia)
Spiny mouse (Acomys Cahirinus:Muridae:Rodentia Mammalia)

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ıl E. Gold Prof.
iv. of North Carolina Ph.D 1971 804-924-0685
:mory
ural mechanisms
ug studies
uroendocrine regulation of memory storage
t
)use

chael Menaker Prof.
nceton Univ. Ph.D 1960 804-924-7169
ythms (biological)
docrine/hormonal mechanisms
nsory mechanisms
:cadian organization in vertebrates/photoperiodic control of
roduction
arrows, chickens, pigeons (Aves: Passeriformes:
lliformes:Columbiformes)
ımsters, Mice (Mammalia:Rodentia)
zard spp. (Reptilia:Sauria)
out (Pisces)

. Otto Friesen Assoc. Prof.
iiv. of Calif, San Diego Ph.D 1974 804-924-7841
:ural mechanisms
comotion
ug studies
:ural control of locomotion in leeches
ech (Annelida:Hirudine)
edical leech (Hirudo medicinalis)

**VPI & SU**
Biology
Blacksburg, VA 24061
CHAIRMAN: E.R. Stout
DEGREES: M.S., Ph.D ENROLLMENT: 1
CONTACT: F.M.A. McNabb

urtis S. Adkisson Assoc. Prof.
niv. of Michigan Ph.D 1973 703-961-6347
.coustic communication
ocial behavior
ehav ecol
volution of dialects and other vocal variation; habitat selection
:d crossbill (Aves:Passeriformes:Fringillidae)
ne grosbeak (Aves:Passeriformes:Fringillidae)
uejay (Aves:Passeriformes:Corvidae)

**VIRGINIA COMMONWEALTH UNIVERSITY**
Biology
Richmond, VA 23284-2012
CHAIRMAN: Jackson E. Jeffrey 804-257-1562
DEGREES: MS ENROLLMENT:
CONTACT: John F. Pagels

ussell V. Brown Prof.
wa State Ph.D 1962 804-257-1562
:havioral genetics
:arning, environmental effects on
:netics and molecular pathology

Dog (Canidae:Domesticus)
Mice (Mus:Muscularis)
Fruit fly (Drosophila:melanogaster)

C.R. Blem Prof.
Univ. of Illinois Ph.D 1969 804-257-1562
Foraging
Habitat selection
Energetics/distribution
Several passerine species (Passeriformis)
E. Cottonmouth watersnakes (Serpentes)

Michael L. Fine Assoc. Prof.
Univ. of Rhode Island Ph.D 1976 804-257-1562
Communication
Neuroethology
Endocrine/hormonal mechanisms
Neuroethology of fish sound production
Toadfish (Batrachoididae)
Croaker (Sciaenidae)
Seatrout (Scaenidae)

Greg C. Garman Asst. Prof.
Univ. of Maine Ph.D 1984 804-257-1562
Foraging
Predator/prey
Fish feeding behavior
Boney fishes (Osteichthyes)

## CANADA - ALBERTA

**UNIVERSITY OF ALBERTA**
Zoology
Edmonton Alberta T6G2E9 Canada
CHAIRMAN: R.E. Peter
DEGREES: M.S., Ph.D ENROLLMENT: 25
CONTACT: Associate Chairman

Stan Boutin Asst. Prof.
Univ. of British Columbia Ph.D 1982 403-432-5494
Behavioural ecology
Communication
Social behaviour
Territoriality, dispersal, dominance, population regulation
Red squirrels (Mammalia:Rodentia:Sciuridae)
Muskrats (Mammalia:Rodentia:Cricedae)
Snowshoe hares (Mammalia:Lagomorpha:Leporidae)

## CANADA - BRITISH COLUMBIA

**UNIVERSITY of BRITISH COLUMBIA**
Poultry Science
Vancouver, British Columbia V6T 2A2 Canada
CHAIRMAN: D.B. Bragg
DEGREES: M.S., Ph.D ENROLLMENT: 3
CONTACT: K.M. Cheng

Kimberly M. Cheng Assoc. Prof.

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Univ. of Minnesota Ph.D 1978 604-228-2480
Social behav-sex and reproduction
Applied ethol; Behav ecol
Mating behavior; mating systems; social interactions and management;
Sperm competition; evolution and survival value; behavioral genetics
Chickens (Aves:Galliformes)
Japanese Quail (Aves:Galliformes:Phasianidae)
Pigeons (Aves:Columbiformes:Columbidae)
Waterfowl (Aves:Anseriformes)
Chinese Painted Quail (Aves:Galliformes)

### UNIVERSITY of BRITISH COLUMBIA

Psychology
Vancouver British Columbia V6T 1W5
CHAIRMAN: Richard C. Tees 604-228-3245
DEGREES: MA, Ph.D ENROLLMENT:
CONTACT: Donald M. Wilkie

Donald M. Wilkie Assoc. Prof.
Manitoba Ph.D 1970 604-228-4650
Learning
Behavioral ecology
Spatial memory; timing
Pigeon
Rat
Gerbil

Boris Gorzalka Assoc. Prof.
Univ. of California Ph.D 1974 604-228-3095
Endocrine/hormonal mechanisms
Reproductive behavior
Rat
Mongolian gerbil
Mouse

John P.J. Pinel Prof.
McGill Univ. Ph.D 1969 604-228-4656
Learning
Drug studies
Neural mechanisms
defensive burying, drug tolerance, seizures
Rat (Rodentia)
Mouse (Rodentia)
Hamster (Rodentia)

Richard Tees Prof.
University of Chicago Ph.D 1965 604-228-3245
Development/ontogony
Neural mechanisms
Sensory and cognitive processes in mammals: development/experience
Long Evans rats (Rattus:Norvegicus)
Gerbils

Roderick Wong Prof.
Northwestern Ph.D 1963 604-228-2719
Motivation/emotion
Feeding/Ingestion
Social behavior
Food-hoarding; specific appetites
Syrian hamster (Mesocricetus:Auratus)
Mongolian gerbil (Meriones:Unsuiculatus)

D.J. Albert Assoc. Prof.
McGill Univ. Ph.D 1964 604-228-2296
Social behavior
Neural mechanisms
Neurobiology of aggression
Rats

A.G. Phillips Prof.
Univ. of Western Ontario Ph.D 1970 604-228-4624
Neural mechanisms
Learning
Motivation/emotion
Neurochemistry, electrophysiology
Rat

Catherine H. Rankin NSERC-URF
City Univ. of New York Ph.D 1984
Neural mechanisms
Learning
Social behavior
Neural mechanisms of learning and memory, development of learning and memory; roles of strong electric organ discharges in social behavior
Aplysia, Sea hare (Mollusca:Gastropoda:Opistibranch)
Strong-electric catfish (Pisces:Siluriformes:Malapteruridae)

Fred P. Valle Prof.
Univ. of Michigan PhD 1967
Learning
Motivation
Behavior genetics
Role of learning in body-fluid regulation
Rat (Mammalia:Rodentia:Muridae)

### UNIVERSITY of BRITISH COLUMBIA

Zoology
Vancouver, British Columbia V6T 2A9 Canada
CHAIRMAN: G.G.E. Scudder 604-228-2131
DEGREES: MS, Ph.D ENROLLMENT: 10
CONTACT: Graduate Admissions Secretary

C. Lee Gass Assoc. Prof.
Univ. of Oregon Ph.D 1974 604-228-5844
Behav ecol
Methodol-data collect/analysis
Other - Animal intelligence
Economics of territoriality; cognitive mechanisms in foraging; tracking; variable environments; real-time data acquisition and process control;
Spatial and temporal pattern recognition
Rufous Hummingbird (Aves:Apodiformes:Trochilidae)
Caliope Hummingbird (Aves:Apodiformes:Trochilidae)

### SIMON FRASER UNIVERSITY

Biological Sciences

Burnaby, British Columbia V5A 1S6
CHAIRMAN: L. Srivastava 604-291-3535
DEGREES: M.S., Ph.D ENROLLMENT: 18
CONTACT: Larry Dill or M. Gross

Lawrence M. Dill Prof.
Univ. of British Columbia Ph.D 1972 604-291-3664
Behav ecol
Evolution/survival value
Social behav
Development and laboratory testing of optimality models of foraging;
Predator-avoidance and territorial behaviors
Coho salmon (Osteichthyes:Salmoniformes:Salmonidae)
Water Stider (Insecta:Hemiptera:Gerridae)
Ducks-Mergansers (Aves:Anseriformes:Anatidae)

Mart R. Gross Assoc. Prof.
Univ. of Utah Ph.D 1980 604-291-4627
Evolution/survival value
Social behav-sex and reproduction
Behav ecol
Evolution of mating systems, parental care and life histories, especially in fishes
Fish (Osteichthyes)

Alton S. Harestad Asst. Prof.
Univ. of British Columbia Ph.D 1979 604-291-4809
Behav ecol
Applied ethol-wildlife
Natural hist/descriptive studies
Wildlife; habitat selection; foraging behavior; migration
Ground squirrels (Mammalia:Rodentia:Sciuridae)
Deer (Mammalia:Artiodactyla:Cervidae)
Wolverine (Mammalia:Carnivora:Mustelidae)
Woodpeckers (Aves:Piciformes)

Bernie D. Roitberg Asst. Prof.
Univ. of Massachusetts Ph.D 1982 604-291-3585
Behav ecol
Evolution/survival value
Behav ecol - foraging
Plant-insect interaction; parasite behavioral ecology; host-marking
Pheromones; foraging behavior
Oregon grape fly (Insecta:Diptera:Tephritidae)
Rose hip Maggot (Insecta:Diptera:Tephritidae)
Apple Maggot (Insecta:Diptera:Tephritidae)
Pea Aphid (Insecta:Homoptera:Aphididae)

Nicholaas A.M. Verbeek Assoc. Prof.
Univ. of Calif, Berkeley Ph.D 1970 604-291-4592
Evolution/survival value
Natural history/descriptive studies
Reproduction and foraging ecology, predator-prey relationships
Crows (Aves:Passeriformes:Corvidae)
Gulls, Terns (Aves:Charadriiformes:Laridae)
Guillemots (Aves:Charadniformes:Alcidae)

Mark Winston Assoc. Prof.
Univ. of Kansas Ph.D 1978 604-291-4459
Evolution/survival value
Communications-chemical
Natural history/descriptive studies
Life history, caste structure, reproduction in social insects;
Pheromones of honey bees and their pests; sublethal pesticide impact on pollinators
Honey bees (Insecta:Hymenoptera:Apidae)
Bee pollinators (Insecta:Hymenoptera)
Wax moths (Insecta:Lepidoptera:Phycitidae)

Ronald C. Ydenberg Asst. Prof.
Oxford Univ. Ph.D 1982 604-291-4282
Behav ecol
Social behav
Evolution/survival value
foraging behavior; parent-offspring conflict; social behavior
Birds (Aves)
Honey bees (Insecta:Hymenoptera:Apidae)

### UNIVERSITY of VICTORIA

Biology
Victoria British Columbia V8V 1X4 Canada
CHAIRMAN: J. McInerney 604-721-7090
DEGREES: M.Sc, Ph.D ENROLLMENT
CONTACT: E.D. Styles

E.H. Miller Adj. Assoc. Prof.
Dalhousie Ph.D 1977 604-387-5706
Acoustic communication
Evolution
Territoriality/social systems
Acoustics, social behaviour, behavioural evolution, systematics
Shorebirds (Aves:Charadriiformes)
Birds (Aves)

D.V. Ellis Prof.
McGill Univ. Ph D 1957 604-721-7106
Applied ethology; other - environmental impact
Human ethology
Natural history/descriptive studies
Functional responses and adaptations to environmental and evolutionary stresses
Pacific salmon (Pisces:Salmonidae)
Proboscis monkey (Primates:Colobinae)
Cleaner fish (Pisces:Chondrichtlyes)
Human (Primates:Hominidae)
Invertebrates

## CANADA - NEW BRUNSWICK

### MOUNT ALLISON UNIVERSITY

Biology
Sackville Prov. New Brunswick EOA 300 Canada
CHAIRMAN: C. Patterson 506-364-2501
DEGREES: M.Sc ENROLLMENT:
CONTACT: P. Mladenov

Jean-Guy J. Godin Asst. Prof.
Univ. of British Columbia Ph.D 1979 506-364-2507
Behavioural ecology

Evolution/Survival value
Social Behaviour
Testing benefit-cost and optimality models of foraging and predatory-avoidance behaviours
Salmon (Osteichthyes:Salmoniformes:Salmonidae)
Trout (Osteichthyes:Salmoniformes:Salmonidae)
Banded killifish
(Osteichthyes:Cyprinodontiformes:Cyprinodontidae)
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)
Guppies (Osteichthyes:Atheriniformes:Poeciliidae)

## CANADA- NEWFOUNDLAND

### MEMORIAL UNIVERSITY of NEWFOUNDLAND

Biopsychology
St. John's Newfoundland A1B3X9 Canada
CHAIRMAN: Deane Renouf 709-737-8414
DEGREES: MSc, Ph.D ENROLLMENT: 6
CONTACT: Deane Renouf

D. Burton Assoc. Prof.
London Ph.D 1964 709-737-7518
Chromatophores
Color change
Neural/Endocrine mechanisms
Flatfish patterning mechanisms
Winter flounder (Osteichthyes:Heterosomata:Pleuronectidae)

David Schneider Asst. Prof.
SUNY Ph.D 1978 709-737-4337
Prey/predator interactions
Oriented movement in fluid environments
Birds (Marine) (Aves)
Mammals (Marine) (Mammalia)

Joseph A. Brown Asst. Prof.
Queen's Univ. Ph.D 1983 709-726-6681
Development/ontogeny
Behavioral Ecology
Social Behavior
Adaptative value of behavioral ontogeny; ontogeny of optimal foraging;
Ontogeny of predator avoidance; sexual secection/mate choice
Lumpfish (Pisces:Peromorphi:Cydopteridae)
Atlantic Cod (Pisces:Amacanthini:Godidae)
Radiated Shamy (Pisces:Peromorphi:Stichaeidae)
Winter Flounder (Pisces:Heterosumata:Pleuronectidae)
Shorthorn Sculpin (Pisces:Peromorphi:Cottidae)

Jon Lien Prof.
PhD 1970 709-737-7642
Applied Animal Behavior
Orientation
Communication
Marine mammal conflict with fishing
Humpback whale
Blue whale
Basking shark

John M. Green Prof.
Univ. of British Columbia Ph.D 1968 709-737-7525
Behavioural ecology
Reproductive behaviour
Migration
Fishes (Salmondae:Labridae:Gadidae:Cottidae)

W. A. Montevecchi Prof.
Rutgers Univ. PhD 1975 709-737-7673
Behavioral Ecology
Energetics of Reproduction
Sociobiology
Seabird behavior and energetics
Seabirds (Aves:Pelecaniformes:Sulidae)
Seabirds (Aves:Procellariformes:Procellaridae)
Seabirds (Aves:Charadriiformes:Alcidae)

Charles W. Malsbury Assoc. Prof.
McGill Univ. Ph.D 1972 709-737-7685
Sex & reproduction
Neural mechanisms
Rodents (Mammalia:Rodentia:rats & hamsters)

Robert Adamec Assoc. Prof.
McGill Univ. Ph.D 1974 709-737-8121
Neuroethology
Defensive behavior - animal models of anxiety
Neural mechanisms of emotion
Ethology of felines/neurophysiology/neuropharmacology
Mammalia:Felis:Catus
Mammalia:Rattus:Norvigecus

## CANADA - NOVA SCOTIA

### DALHOUSIE UNIVERSITY

Psychology
Halifax Nova Scotia B3H 4J1
CHAIRMAN: V.M. LoLordo 902-424-3839
DEGREES: MA, PhD ENROLLMENT: 8
CONTACT: R. Klein

James W. Clark Assoc. Prof.
Queens Univ. Ph.D 1958 902-424-3434
History
History of comparative psychology

Roger Croll Res. Fellow
McGill Univ. Ph.D 1978 902-424-6417
Neural mechanisms
Sensory mechanisms
Feeding/ingestion
Cellular mechanisms underlying behavior in gastropods
Sea slug (Mollusca:Gastropoda)
Pleurobranchia (Mollusca:Gastropoda)

John C. Fentress Prof.
Cambridge Univ. Ph.D 1965 902-424-2522
Development/ontogeny
Neural mech-motor control
Social behavior
Organization and development of mammalian behavior patterns

Mice (Mammalia:Rodentia:Muridae)
Wolves (Mammalia:Carnivora:Canidae)
Coyotes (Mammalia:Carnivora:Canidae)

Werner K. Honig Prof.
Duke Univ. Ph.D 1958 902-424-3426
Learning - complex
Learning - memory
Cognitive aspects of learning and memory in animals
Pigeons (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

Vincent M. LoLordo Prof.
Pennsylvania Ph.D 1966 902-424-3839
Learning
Drug Studies
Biological factors in conditioning and learning
Pigeons (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

Bruce R. Moore Assoc. Prof.
Stanford Univ. Ph.D 1971 902-424-3428
ehav Ecol-Orient/Nav/Migrat/Homing
ommunication - acoustic
earning
vian navigation: biological constraints on learning
oming pigeons (Aves:Columbiformes:Columbidae)
frican Grey Parrot (Aves:Psittaciformes:Psittacidae)

obert S. Rodger Prof.
elfast Ph.D 1961 902-424-7146
ethodol-Data Analysis
atistical methods for anlaysis of behavior sequences

njamin Rusak Prof.
iv. of Calif. Berkeley Ph.D 1975 902-424-2159
ological rhythms
ural mechanisms
nsory mechanisms - vision
ural regulation of biological rhythms
mster (Mammalia:Rodentia:Cricetidae)

chard E. Brown Assoc. Prof.
lhousie Univ. Ph.D 1976 902-424-2417
docrine
rmonal mechanisms
ial behavior
elopment and hormonal control of olfaction, ultrasonic
munication,
ntal & sexual behavior rodent
(Mammalia:Rodentia:Muridae)
e (Mammalia:Rodentia:Muridae)
ils (Mammalia:Rodentia:Cricetidae)
sters (Mammalia:Rodentia:Cricetidae)

## ADA - ONTARIO

**UNIVERSITY of GUELPH**
Zoology
Guelph Ontario N1G 2W1 Canada
CHAIRMAN: R.C. Anderson
519-824-4120 ex 2756
DEGREES: M.Sc, M.Sc, Ph.D, D.V.M.
ENROLLMENT:
CONTACT: Dean, Faculty of Graduate Studies

David L.G. Noakes Assoc. Prof.
Univ. of California, Berkeley Ph.D 1971
519-824-4120 ex 2747
Development
Behavioral ecology
Social behavior
Social behavior; courtship, mating and parental investment territoriality
Early development and behavioral development
hermaphroditic species; ecology, behavior and evolution
habitat choice, physical factors and environment
Brook charr (Chordata:Pisces:Salmonidae)
Minnows (Chordata:Pisces:Cyprinidae)
Lake charr (Chordata:Pisces:Salmonidae)
Arctic charr (Chordata:Pisces:Salmonidae)
Killifish (Chordata:Pisces:Salmonidae)

**McMASTER UNIVERSITY**
Psychology
Hamilton, Ontario L8S 4K1 Canada
CHAIRMAN: Lorraine G. Allan
416-525-9140 ex 3023
DEGREES: Ph.D ENROLLMENT: 56
CONTACT: Grant K. Smith

Denys deCatanazaro Assoc. Prof.
Univ. of British Columbia PhD 1979
416-525-9140 ex 3014
Social Behavir - Sex and reproduction
Endocrine/Hormone Mechanisms
Motivation/Emotion
Effects of psychological stress and related endocrine
Systemupon sexual behavior and reproductive physiology in laboratory mammals.
Mice (Mammalia:Rodentia:Muridae)
Rats (Mammalia:Rodentia:Muridae)

Martin Daly Prof.
Univ. of Toronto Ph.D 1971
416-525-9140 ex 3018
Behavioral Ecology
Social Behavior
Evolution/Survival Value
Field & lab research on kangaroo rat social, foraging and anti-predator behavior
Human violence, especially within the family
Consequences of the uncertainty of paternity
Kangaroo rats (Mammalia:Rodentia:Heteronydae)
Human (Mammalia:Primates:Hominidae)

Paula J. Durlach Asst. Prof.
Yale University Ph.D 1982
Learning - Pavlovian (other)
Learning - Extinction
Learning - timing (other)

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The mechanisms by which inter-event correlations influence
Associative learning and the expression of that learning in behavior
Rat (Mammalia:Rodentia)
Pigeon (Aves:Columbiformes)

Bennett G. Galef, Jr.  Prof.
Univ. of Pennsylvania  PhD  1968
416-525-9140 ex 3017
Social learning
Development
Feeding
The role of social learning in the development of adaptive behavioral phenotypes especially with regard to feeding and poison avoidance
Norway rat (Mammalia:Rodentia:Muridae)
Mongolian gerbil (Mammalia:Rodentia:Cricetidae)

Craig W. Hawryshyn  Asst. Prof.
Univ. of Waterloo  Ph.D  1984
416-525-9140 ex 3023
Sensory mechanisms - vision
Neural mechanisms of behavior
Behavioral ecology orientation/navigation
Ultraviolet-polarization sensitivity in fish and its relevance for
Spatial orientation and navigation
Behavioral, ecological and evolutionary aspects of color vision in fish (Cichlids of Lake Malawi)
Rainbow trout (Osteichthyes:Salmoniformes:Salmonidae)
Carp (Osteichthyes:Cypriniformes:Cyprinidae)
Goldfish (Osteichthyes:Cypriniformes:Cyprinidae)
Cichlids (L. Malawi) (Osteichthyes:Perciformes:Cichlidae)

Christopher David Rollo  Assoc. Prof.
Univ. of British Columbia  PhD  1978
Behavioral Ecology
Evolution
Motivation
General rules underlying the form and function of organisms.
Integrative
Aspects of morphology, behavior (time budgeting) and physiology (resource allocation and life history tactics).
Periplaneta americanes (Insecta:Blattidae)
Deroceras laeve (Mollusca:Limacidae)

Harvey Weingarten  Assoc. Prof.
Yale Univ.  PhD  1979
416-525-9140 ex 3024
Feeding/ingestion
Neural mechanisms
Motivation/emotion
Physiological and behavioral analyses of feeding behavior
Norway rat (Rodentia:Muridae)

### QUEEN'S UNIVERSITY

Biology
Kingston Ontario K7L 3N6 Canada
CHAIRMAN: D.T. Dennis  613-547-2621
DEGREES: MSc, Ph.D  ENROLLMENT: 35
CONTACT: Chairman

Raleigh J. Robertson  Prof.
Yale  P.hD  1971  613-547-2621
Behavioural ecology
Mating systems
Parental care
Evolution of mating systems, delayed plumage maturation,
Infanticide,
Hole-nesting birds
Tree swallow (Aves:Passeriformes:Hirundinidae)
Redwinged blackbird (Aves:Passeriformes:Icteridae)
Yellow warbler (Aves:Passeriformes:Emberizidae)
Eastern blue bird (Aves:Passeriformes:Muscicapidae)
Eastern kingbird (Aves:Passeriformes:Tyrannidae)

Laurene Ratcliffe  Asst. Prof. (Adjunct)
McGill Univ.  Ph.D  1981  613-545-6142
Communication-acoustic (birdsong)
Social behavior - kin recognition
Behavioral ecology
Song syntax and species recognition; neighbour-stranger
Discrimination,
Mate choice
Black-capped chickadee (Aves:Passeriformes)
Brown-headed cowbird (Aves:Passeriformes)
Zebra finch (Aves:Passeriformes)

### YORK UNIVERSITY

Biology
Toronto Ontario M3J 1P3 Canada
CHAIRMAN: Brock Fenton  416-736-2335
DEGREES: M.S., Ph.D  ENROLLMENT: 10
CONTACT: Barry Loughton

Marla B. Sokolowski  Asst. Prof.
Univ. of Toronto  Ph.D  1981  416-736-5391
Behavioral genetics
Behavioral ecology
Evolution
Behavior genetics and ecology of Drosophila foraging and pupation
Patterns/habitat selection/maintenance of behavioral genetic polymorphisms
Fruit fly (Insecta:Diptera)

## CANADA - QUEBEC

### CONCORDIA UNIVERSITY

Biology
Montreal, Quebec H3G 1M8
Canada
CHAIRMAN: Ed Maly  514-848-3400
DEGREES: M.S.  ENROLLMENT: -0-
CONTACT: Muriel Herrington

Perry D. Anderson  Assoc. Prof
Oregon State Univ.  Ph.D  1973  514-848-3391
Biological rhythms
Social Behavior
Learning

Thermoregulation, avoidance, reinforcement
Rainbow trout (Osteichthyes)
Brooke trout (Clupeiformes)
ake trout (Salmonidae)
tlantic salmon (Salmo gairwweri)
acific salmon (Salueliwus fowtiwalis)

d Maly Prof.
rinceton Univ. Ph.D 1968 514-848-3390
ehavioral ecolog.
ocial Behavior
redator-prey interactions, sex and reproduction
opepods (Crustacea:Copepoda:Diaptomidae)
adocerans (Crustacea:Cladocera:Daphnidae)
sect & fish predators on zoo plankton

uc-Alain Giraldeau Asst. Prof.
IcGill Ph.D 1985 514-848-3400
ehav. Ecol. - Foraging
ocial Behav.
ex & Reproduction
pice finch (Aves:Passeriformes:Estrildidae)
ebra finch (Aves:Passeriformes:Estrildidae)
eral Pideon (Aves:Polumbiformes:Columbidae)
hipmunk (Mammalia:Rodentia:Sciuridae)

aphne Fairbairri Assoc. Prof.
BC Ph.D 1976 514-848-3397
ehavioral Ecol
ocial Behav.
escriptive studies/natural history
sect migration and flight; mating patterns; orientation
emi-aquatic insects)
aterstriders (Insecta:Hemiptera:Gerridae)

**L'UNIVERSITE LAVAL**
Biologie
Quebec City, Quebec G1K 7P4 Canada
CHAIRMAN: Lucien Huot 418-658-0856
DEGREES: MSc, Ph.D ENROLLMENT: 20
CONTACT: Jean-Marie Perron

erard J. FitzGerald Prof.
niv. of Western Ontario Ph.D 1976 418-656-2469
havioral Ecology
cial Behavior
olution/Survival Value
rritoriality, aggression, cannibalism, sex intra- and
erspecific competition
gration
cklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)

PAN

**MEI UNIVERSITY**
Fisheries
Tsu Mie 514
CHAIRMAN: K. Hayashi 0592-32-1211
DEGREES: M.Sc, Dr. Sc ENROLLMENT:
CONTACT:

Makoto Nagoshi Assoc. Prof.
Kyoto Univ. Dr. Sc. 1968 0592-32-1211
Survival value
Sex and reproduction
Social behavior
Social influence on population dynamics
Salmon (Pisces:Telostei:Salmonidae)
Cichlid (Pisces:Teleostei:Cichlidae)
Sand eel (Pisces:Teleostei:Ammodytidae)

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